



HI-BIRD Owner's manual

QH250ST-2



From
HI-BIRD Industry
In Chongqing,
China

HI-BIRD

HI-BIRD motorcycle USA LLC

REMEMBER SAFETY FIRST!

Here is some advice to assist you operating safely.

Safety is your responsibility for yourself and minors in your care.

I EXTERNAL

- 1 Obey government laws at all times.
- 2 Please check your local environmental laws and respect them.
- 3 Please check your local riding laws and regulations before operating the machine.
- 4 Only use an vehicle on level or open ground and away from people while you are learning.
- 5 Don't run the engine in an enclosed area as this can be fatal.
- 6 Never use your vehicle in flowing water, or water deeper than 5 inches.
- 7 Contact your agent when anything bewilder you and need advice.
- 8 Don't allow animals, or children around an unattended vehicle.

II PERSONAL

- 1 These vehicles are designed and manufactured for off road use only.
- 2 It is illegal and unsafe to use this machine on any public street, road, or highway, tarred, dirt, paved or cement surface. If it is necessary to cross a public road, please get off this vehicle and push it across.
- 3 Pay attention and obey the warning labels on the vehicle. If they become faded or are removed, replace them immediately.
- 4 Riding under the instruction or a competent trainer, until you are experienced.
- 5 Never carry passengers, for this will change the handling characteristics dangerously.
- 6 Never exceed the recommended load capacity. Cargo should be properly distributed and securely attached. If carrying a load, allow greater distances for braking and reduce your speed, especially if pulling a small trailer. Overloading, or improper loading, can cause mechanical failure, loss of control and unnecessary danger.
- 7 Never attempt stunts, jumps or other tricks.
- 8 Never ride faster than your skills or conditions permit.
- 9 Never ride when tired, or after consuming alcohol, drugs, or with a dangerous medical condition.
- 10 For you safety, always wear an approved helmet, that fits snugly, eye protection, gloves, long sleeve jacket and long pants.
- 11 People should not operate a vehicle beyond their physical, mental limitation or capabilities.
- 12 Keep the owner's manual in a safe place of the vehicle or under the seat at all time.
- 13 All riders should take a safety course of instruction.
- 14 Don't touch any part of the engine, exhaust, or silencer until it has cooled down.
- 15 Don't siphon toxic liquids like fuel, or brake fluid by mouth, or allow them to remain on your skin.
- 16 Wipe up any oil, or grease that could cause you to slip, or lose the control on the vehicle.
- 17 Keep loose clothing and long hair well out of the way of moving parts.
- 18 Remember, many people have lost fingers and limbs that have got pulled into moving parts, especially chains. Do not work on the vehicle with engine running.
- 19 Never put your feet on the ground when vehicle is moving, or moving off.
- 20 If in spite of all these precautions being followed, you are unfortunate enough to injure yourself, please seek medical attention immediately.

III MAINTANENCE

- 1 It is your responsibility to make sure that the vehicle is properly and safely ridded and maintained.
- 2 Inspect your vehicle each time before you use it, to make sure there are no mechanical faults, faulty tyres, brakes, or controls.
- 3 Always follow inspection and maintenance procedures as recommended.
- 4 Never fit unauthorized accessories to the vehicle.
- 5 Check the vehicle accelerator and cables are free and working.
- 6 Always use the recommended tyres and pressures to lessen the risk of tyre failure.
- 7 Always turn the engine off when refueling.
- 8 Engine oil from a recently run motor can be very hot. When draining so as to refill the oil, be careful.
- 9 When changing a fuse, fit the correct one, as an incorrect fuse can cause a fire.
- 10 When checking battery fluid, please note that a spark could cause the battery explode. Switch off engine and power and avoid sparks.
- 11 Never use gasoline (petrol) to clean your vehicle.
- 12 Excessive free play on a chain drive can cause chain broken, which could cause a serious accident.
- 13 Grabbing, shuddering, or lack of braking ability, could mean there is serious problem with brakes. This must be mended before riding in order to prevent a possibly serious accident.
- 14 The wire attached the C.D.I unit to the spark plug generates extremely high voltage and can cause a serious, or fatal shock if touched with the power on.

Always follow the age recommendation

A child under 6 years old should never operate an ATV with engine size greater than 50 cc.

A child under 12 years old should never operate an ATV with engine size greater than 70 cc.

A child under 16 years old should never operate an ATV with engine size greater than 90 cc.

Never allow a child under age 16 to operate ATV without adult supervision, and never allow continued use of an ATV by a child if he or she does not have the ability to operate it safely.

HI-BIRD

QH250ST-2

SPECIFICATIONS

Dimension(mm):	1890x1025x1120	Brake(Fr./Rr.):	Drum / Disc
Wheel Base(mm):	1160	Spark plug type:	A7TC
Spark plug:	A7TC	Engine oil cap(L):	1.6L
Fuel Capacity(L):	12	Engine oil:	15W-40
Climb Ability:	25	Oil pump:	Inner-outer rotor type
Max. Speed(Km/h):	≥ 65km/h	Magneto:	Permanent magnetic
Wheel Size(Fr./Rr.):	23x7-10 / 22x10-10	Lubrication:	Press/Splash
Transmission:	Chain Drive	Ignition mode:	CDI
Brake Distance(30km/h):	7 m		



Warranty

The warranty's period and coverage is set by importers, distributors and dealerships.
Warranty terms vary from places due to geographical setting.
Hi-Bird does not respond to end users, and customers, and retailer's warranty claim.

To all dealers

Your warranty claim from distributor does not include labor or freight for the shipment of parts.

THIS WARRANTY DOES NOT COVER

- A. Normal wear and deteriorations.
- B. Normal maintenance.
- C. Repairs caused by negligence, misuse, accidents, unsuitable attachments, over loading, or straining, neglect, poor maintenance or repairs, or abuse.
- D. A vehicle that has not been operated in a reasonable and prudent manner.
- E. Purchase the vehicle not from a Hi-Bird authorized dealer.

THIS WARRANTY IS INVALID IF

- A. The vehicle is sold, repaired, serviced, dismantled, adjusted by any person, other than a Hi-Bird authorized dealer.
- B. The vehicle is not operated and maintained as recommended in the owner's manual.
- C. The driver's weight is over 180KG.
- D. Gears broken caused by improper gear shifting.
- E. The owner does not perform his owner's obligations below.

Owner's obligations

- A. The running in (brake in) procedure must be followed carefully as described in the handbook.
- B. All work on the vehicle must be performed by a Hi-Bird authorized dealer.
- C. The owner must take the vehicle to an authorized Hi-Bird dealer for periodic maintenance, as in the maintenance chart provided. This work is for the owner's expense. It is recommended that after the warranty expires, work on the vehicle and maintenance is still done by an authorized dealer to prolong the vehicle's life.
- D. Do not operate the vehicle if an apparently defect poses danger, affects reliability, or causes further damage.
- E. Inform your dealer when a problem occurs and take it for inspection within ten days.
- F. Any other owner's instructions described in the owner's manual must also be complied with.

250cc

Engine Type: 4-stroke, Single cylinder with air-cooled
Displacement(ml): 232.6
Max. Power(Kw/r/min): 12.8/7500
Max. Torque(Nm/r/min): 18.0/6000
Idle Speed(r/min): 1500 ± 100
Compression ratio: 9.0:1
Bore Stroke(mm): 69x62.2
Starting System: Electric Starter
Ignition Method: CDI
Min. Fuel Consumption(g/Kw.h): < 354



Engine Oil

Engine oil must be selected in accordance with the rules below and other oils, are forbidden to be used.

Engine oil recommended: gasoline oil Class SAE 15W/40-SE or Class SE, SF, SG from API service Classification. The vehicle has been filled with the engine oil Class SAE 15W/40-SE class before being delivered, and the lubricant is only suitable at a temperature range from +40°C to -10°C. If other motor oil is to be used instead, the alternative must be technically equivalent in every respect. Viscosity varies with regions and temperatures, so the lubricant has to be selected according to our recommendation. If the gasoline engine oil Class SAE 15W/40-SE can not be obtained when in need, the gasoline engine oil No. HQB-10 (or No. HQB-6 in regions where the temperature is under -10°C) is available.

Before replacing the lubricant, please drain the oil out completely remaining in the crankcase, and clean the inside by cleaning kerosene, then fill new one instead.

Machine oil	20W 50
	20W 40 15W 50
	10W 40 10W 50
	10W 30
°C -30 -20 -10 0 10 20 30 40 °F -22 -4 14 32 50 68 86 104	

CAUTION

Running the engine with insufficient oil would cause damage to the engine.

When running in very dusty conditions, oil changes should be performed more frequently than specified in the maintenance schedule.

Please dispose of used engine oil in a manner that is compatible with the environment. We suggest you take it in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the rubbish or pour it on the ground or down a drain.



Checking Engine Oil

- 1 Clean the dipstick before checking the engine oil level.
- 2 Make sure the oil level is between the required level which marked on the dipstick.
- 3 The oil level should be approximately correct, as over filling, or under filling can damage the engine.



How to shift the reverse gear correctly

CAUTION

Failure to follow the instruction will damage the gear and invalid the warranty.

- (1) Stop the bike completely, do not pull the reverse lever backwards while bike still moving back-forwards.
- (2) Even though the bike had been stop, do not hold the thumb throttle lever and cranking the engine while shifting the gear, this will damage the gear also. Free the thumb throttle lever each time you shift the gear.
- (3) Due to the gear design, there is a 18% chance won't engage the gears. Do not try to pull or push the lever harder then, because the gear will be damaged and cause even harder shifting.
- (4) Rock the bike forward and backward with your body while you are shifting the gear, you will find, by this way, it is so easy to shift the gears.

ENGINE IDLES EASILY MEANS

The engine idling screw must be set correctly when the engine idles slowly(1500-1600rpm), but does not cut out if you twist the accelerator quickly.

NOTE

Make sure the manual choke is OFF when the engine is running to avoid losing power.



Air Filter

Do not twist the filter element when squeezing it.

Never operate the engine with the air filter element removed.

Prevent the air cleaner core from getting wet when washing the vehicle.

The life of engine will much shorter if air filter never been cleaned or re-placed.

CHECK AND REPLACE SPARK PLUG

- 1 Remove the spark plug cap and screw off the spark plug by the plug wrench.
- 2 Clean the spark plug all around or replace it if it is corroded or there is too much deposit on it.
- 3 Regulate the gap of the spark plug to 0.6-0.7mm.
- 4 The spark plug of the designated type should be used. Please refer to the specifications to get the applicable type of spark plug.

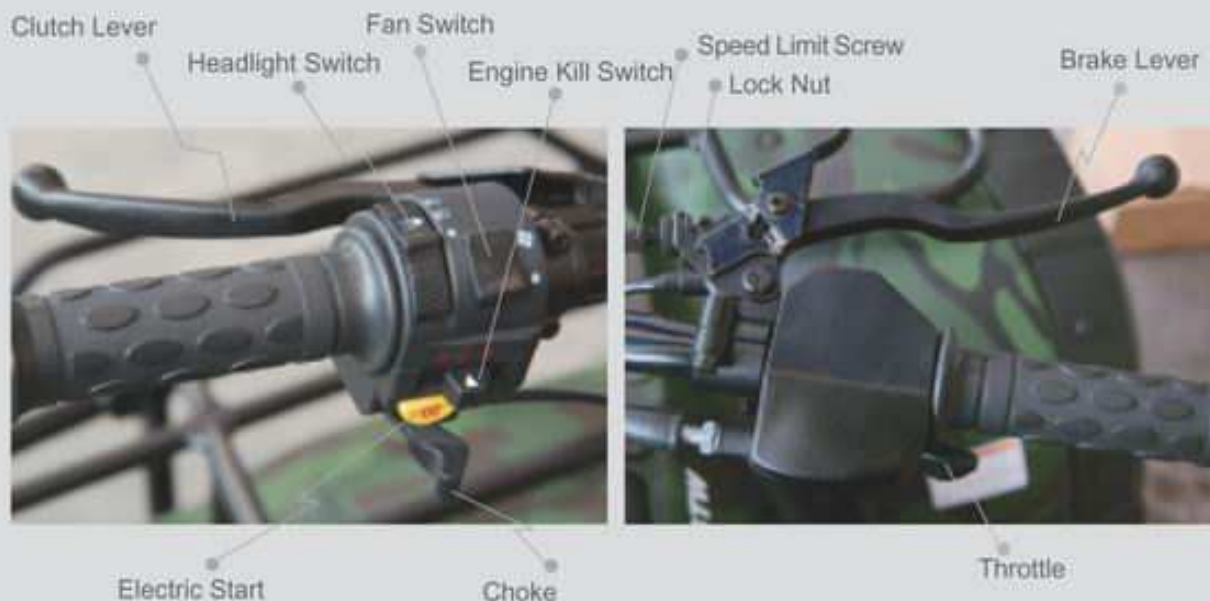


Speed Limiting Device

There is a screw on throttle grip, which is designed to keep the throttle from fully opening, even the throttle lever is pushed to the maximum. Screw in the adjuster limits the maximum engine power available and decreases the maximum speed of the vehicle.

Turn loose the lock and screw in the adjusting screw, and then tighten the lock nut.

It's better for inexperienced riders to set the top speed lower so as to avoid accidents.



CARBURETOR

WARNING

Do not block the carburetor overflow pipe in any case, the gas could run into crank case if this pipe been block.

- 1 It is absolutely needed for an exact amount of gas inside the carburetor to start the engine or the engine won't start either more or less.
- 2 The floater and the needle valve are the two parts to stop the gas carry on flowing into carburetor after exact amount of gas inside the carburetor.
- 3 Once the floater is broken, or the valve is getting dirty, the gas will flow into carburetor and can not be stopped.
- 4 In this case, the gas will and must flow out from the overflow pipe to the ground.
- 5 If the overflow pipe blocked, the gas will flow into the engine and mix with the engine oil and damage the engine.
- 6 Do not be panic when you see the gas flow out from the pipe, all you have to do is to swift OFF the fuel switch (see picture), and check the floater and clean the needle valve and valve set.

Carburetor Adjustment

- a Warm the engine up for 3-5 minutes.
- b Turn the engine off.
- c Turn the mixture screw clockwise until fully closed.
- d Turn the engine on
- e Turn the mixture screw two full turns out.
- f Adjust the idling screw until the engine idles easily
- g Turn the mixture screw slightly clockwise and counter clockwise until the maximum engine REVs obtained.
- h Adjust the idling screw again until the engine idles easily.
- i Repeat the adjustment step f.

Gas Drain Pipe

You can drain the gas out from carburetor by unscrewing the gas drain screw then the gas will come out from the gas drain pipe.

Normally you will face a problem of difficult to start a bike from new or after long time never used. It is because the gas inside the carburetor will vapor after 2-3 weeks, and the air full of inside the carburetor will stop the new gas flow into carburetor and causing starting problem. In this case, all you have to do is to unscrew the gas drain screw and let gas flow out from the gas drain pipe for 3-5 seconds to remove the air which inside the carburetor.

Carburetor View

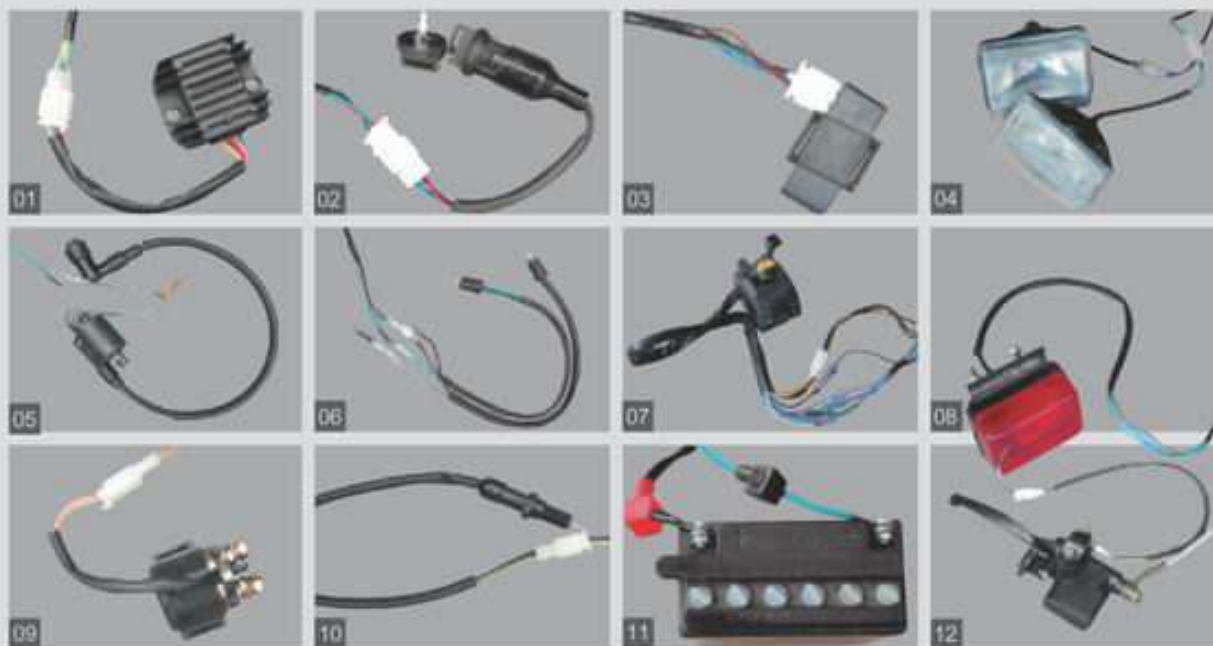
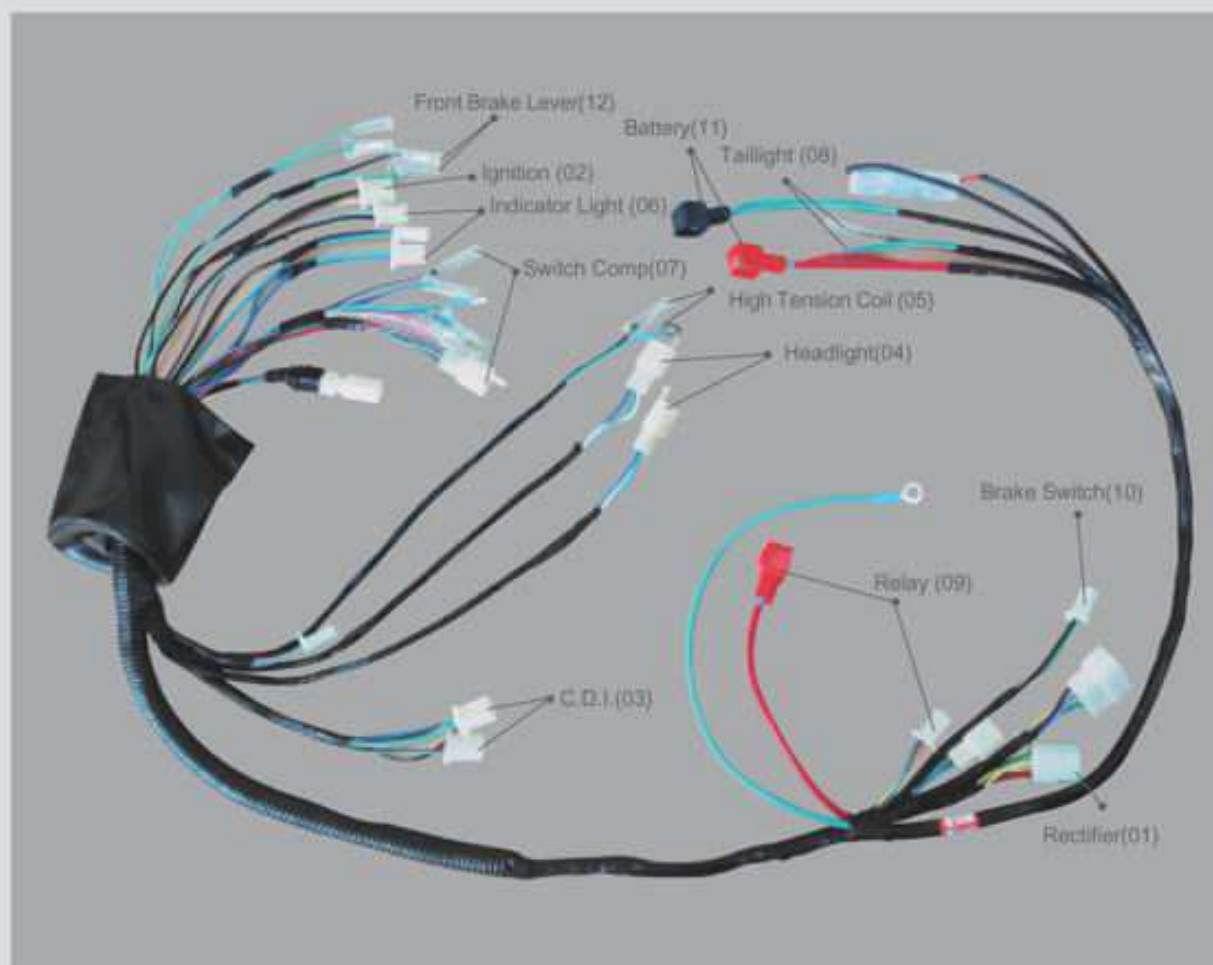
- A Gas drain pipe
- B Accelerating jet
- C Floater
- D Needle valve



- 1 Idling screw
- 2 Petrol drain out screw
- 3 Mixture screw



ELECTRICAL SYSTEMS



NOTE

Do not add electrical equipment that will exceed the vehicle's electrical system capacity.

Assembly Instructions



▶ 1 Remove the box



▶ 2 Remove tyres



▶ 3 Take accessory box out



▶ 4 Find tools



▶ 5 Remove screws on frame



▶ 6 Remove the frame



▶ 7 Remove fixing clamp



▶ 8 Put the vehicle on installing frame



▶ 9-a Install bottom clamp
(Install handle bar)



▶ 9-b Put the handle bar on the
clamp properly (Install handle bar)



▶ 9-c Install upper clamp and fix-
ing bolts (Install handle bar)



▶ 9-d Screw the bolts firmly
(Install handle bar)



▶ 10-a Unscrew bolts
(Install indicator light)



▶ 10-b Take out frame from the cover of the
sign lamp (Install indicator light)



▶ 10-c Install the frame
(Install indicator light)

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➤ 10-d Screw nuts firmly
(Install indicator light)



➤ 10-e Put the sign lamp into cover
properly (Install indicator light)



➤ 10-f Install the cover
(Install indicator light)



➤ 10-g Screw nuts firmly
(Install indicator light)



➤ 11 Install the tube



➤ 12-a Put the guard frame on proper place
(Install the rear guard frame of axle)



➤ 12-b Screw nuts firmly
(Install the rear guard frame of axle)



➤ 13-a Put a front wheel on axis properly
(Install front and rear wheels)



➤ 13-b Install nuts
(Install front and rear wheels)



➤ 13-c Screw the nuts firmly
(Install front and rear wheels)



➤ 13-d Install other three wheels in the
same way (Install front and rear wheels)



➤ 13-e Install rubber caps
(Install front and rear wheels)



➤ 14 Installing vehicle completed



How to Install the Battery



➤ 1 Remove the seal of battery



➤ 2 Fill the acid fluid into every hole repeatedly



➤ 3 Put the seal cover back properly



➤ 4 Connect the overflow pipe



➤ 5 Install the bottom cushion



➤ 6 Put the battery into the box



➤ 7 Install the side cushions



➤ 8 Install the fixation frame and tighten the nuts



➤ 9 Connect the wire to the battery

How to Change the Oil



1. Engine oil drain out-screw



2. Drain out the engine oil



3. Tighten the drain out screw



4. Fill in the engine oil



5. Check the oil level



6. Tighten the oil dipstick

PRE-RIDE INSPECTION

Inspect your motorcycle before you ride it. The items listed here will only take a few minutes to inspect, and in the long run they can save time, expense, and your life.

- 1 Engine oil level: add engine oil if needed. Check for leaks.
 - 2 Fuel level: fill fuel tank when necessary. Check for leaks.
 - 3 Front and Rear brakes: check operation and if necessary, adjust free play.
 - 4 Tyres: check condition and pressure.
 - 5 Throttle operation: check for smooth opening and full closing in all steering positions; check for throttle grip free play and throttle cable in lubricating and connecting.
 - 6 Fastener: check that all nuts, screws and bolts are fixed securely.
 - 7 Steering system: check for its smoothness and reliability. Correct any discrepancy before you ride.
- Contact your dealer for assistance if you cannot correct the problem.

STARTING THE ENGINE

- 1 Place the vehicle on a level ground and lock the rear brake by depressing down the parking button.
- 2 Insert the ignition key into the ignition switch and turn to ON.
- 3 Set the emergency switch to ON.
- 4 Depress the starter button while rotate the throttle grip slightly to start the engine. Release the starter button once the engine starts.
- 5 When starting and warming up the engine, make sure to maintain the throttle slightly open.
- 6 Before riding the vehicle, make sure that the engine is well warmed up.

CAUTION

Operating or closing the throttle fully and rapidly may make the vehicle's sudden moving forwards, resulting in out of control.

BREAKING-IN

Help assure your vehicle's future reliability and performance by paying extra attention to how you ride during the first two-week riding.

During this period, avoid full-throttle riding and loading the engine heavily, be sure to keep changing speed.

NOTE

After the breaking-in period, be sure to conduct maintenance according to the maintenance schedule so as to keep the vehicle in a sound condition, which will extend the service life of the engine obviously.

RIDING

- 1 After the engine has been warmed up, the vehicle is ready for riding.
- 2 End braking state of the vehicle.
- 3 Open the throttle gradually so the vehicle moves forward.
- 4 To speed down the vehicle, reduce the throttle while carry out braking. Coordinate the throttle with brakes for smooth deceleration.

NOTE

Both the front and rear brakes should be used at the same time and should not be applied strongly enough to lock the wheel, or braking effectiveness will be reduced and control of the vehicle be difficult.

PARKING

- 1 Close the throttle while apply the brakes to speed down the vehicle until it stops.
- 2 Turn the ignition key to OFF, and remove the key once the engine stops.
- 3 Press down the parking button at the left handlebar.

FRONT SUSPENSION INSPECTION

- 1 Check the front fork assembly by locking the front brake and pumping the fork up and down vigorously, suspension action should be smooth.
- 2 Check the front shock absorber for leaks and deformation.
- 3 Carefully inspect front suspension fasteners for tightness.

FRONT BRAKE ADJUSTMENT

The front brake lever free play should be adjusted to 10-20mm. If the free play is improper, adjust as follows:

- 1 Adjustment should be made using the adjusting bolt at the right handlebar.
 - 2 Apply the brake several times and check for free wheel rotation when release the brake lever.
- One should bear in mind, that the front brake lever, brake and fasteners are in a sound condition.

NOTE

Make sure the curved slot in the adjusting nut is seated on the brake and pin after making final free play adjustment. If such adjustment is still unsatisfactory, see your dealer for help.

REAR BRAKE ADJUSTMENT

When checking brake comp, the ATV should stop running and be locked.

- 1 Pedal of rear brake has 15-20mm free travel distance.
- 2 Adjustment turning deasil adjust nut to shorten free travel of pedal, rear brake, turning withershins adjust nut to enlarge free travel.
- 3 After adjustment, the groove of the adjusting nut should be aligned with the pin of the brake arm.

CAUTION

After adjustment, when checking brake, the indicator light of brake should be lighted in time.

SWITCH OF BRAKE ADJUSTMENT

- 1 The brake light should be lit up on time as soon as the rear wheel is braked. If not, regulation shall be made by turning the adjust nut.
- 2 With the brake light switch in ON position, the braking light should be lit up. If not, check should be carried out to see whether the braking lamp, circuit and switch work normally. Make replacement if needed.

CAUTION

For the adjustment of the braking light switch, the brake needs to be checked first to make sure that the free operating movement is ensured within the specified range.

BATTERY CHECKING

- 1 Open the right side cover
- 2 Clean away dust and corrosive from the surface of the battery.
- 3 Set the vehicle in a vertical position to see whether the level of the battery electrolyte is between the upper and lower mark lines. If it is below the lower, distilled water shall be added to the battery.
- 4 Seriously corroded conductorconnectors of the battery shall be replaced.

FUSE REPLACEMENT

- 1 Set the ignition switch to OFF position. The specified fuse tube of 10A should be used for replacement.
- 2 Open the left side cover, remove the fuse holder on the side of the battery and replace the fuse tube.

CAUTION

To dismantle battery, disconnect the negative (-) electrode before the positive (+) one, and vice versa in installation. Ensure against any contact of the positive (+) electrode with the vehicle body.

Never have the electrolyte level come over the upper mark line when adding distilled water, otherwise overflow and corrosion will occur.

The electrolyte contains sulfuric acid and will cause serious hurt to skin and eyes by contact. In case of contact with it, wash it off for at least 5 minutes and call a physician immediately.

Foreign matter should be prevent from entering into the battery during dismantling and installation.

The breathing pipe must be kept unblocked.

Be sure not to wash the battery when washing the vehicle.

TYRES REPLACEMENT

proper air pressure will provide maximum stability, riding comfort and tyre life.

Check tyre pressure frequently and adjust if necessary. When the tread depth in the middle section of tyre reaches the limits, please replace tyres.

	Size	Pressure	Tread Depth Limits
Front	23 × 7-10	100Kpa	2.0mm
Rear	22 × 10-10	100Kpa	2.0mm

Instructions of Dismounting Engine From Chassis



➤ 1-a Unscrew screws on left pedal(Remove pedals)



➤ 1-b Remove left pedal (Remove pedals)



➤ 1-c Unscrew screws on right pedal(Remove pedals)



➤ 1-d Remove right pedal (Remove pedals)



➤ 2 Remove seat



➤ 3-a Unscrew the upper screw (Unscrew screws fixing inlet pipe)



➤ 3-b Unscrew the lower screw (Unscrew screws fixing inlet pipe)



➤ 4-a Unscrew side screws on the left cover(Open left cover)



➤ 4-b Unscrew upper screws on the left cover(Open left cover)



➤ 4-c Make the left cover open (Open left cover)



➤ 5 Remove output wire of engine



➤ 6-a Unscrew upper nut fixing muffler to engine(Remove muffler)



➤ 6-b Unscrew lower nut fixing muffler to engine(Remove muffler)



➤ 6-c Unscrew nuts fixing muffler to tail frame(Remove muffler)



➤ 6-d Remove the muffler (Remove muffler)



➤ 7-a Unscrew upper bolt
(Remove back cover of left crankcase)



➤ 7-b Unscrew lower bolt
(Remove back cover of left crankcase)



➤ c Remove the back cover of left crankcase
(Remove back cover of left crankcase)



➤ 8-a Remove chain clip
(Remove the chain)



➤ 8-b Draw the pin out and remove
the chain(Remove the chain)



➤ 9 Unscrew nuts fixing engine
to bracket(four bolts)



➤ 10 Unscrew bolt of the upper
ear of engine



➤ 11 Unscrew bolt of the lower
ear of engine



➤ 12 Remove the ignition coil



➤ 13 Unscrew nut fixing clutch
cable



➤ 14 Remove the clutch cable



➤ 15 Draw the bolts of upper
ear of engine out



➤ 16 Draw the bolt of lower ear
of engine out



➤ 17 Unscrew nut fixing output
wire of engine



➤ 18 Remove the output wire of
engine



➤ 19 Unscrew nut fixing earth wire



➤ 20 Remove the earth wire



➤ 21 Draw out the bolts of mounting bracket of engine



➤ 22 Remove the engine



➤ 23 Dismantling engine completed

STORAGE GUIDE

For the motorcycle to be stored for a long period of time, attention should be paid to the prevention of moisture, sunshine and rain attack in order to protect it from unnecessary damage. Special check-up should be carried out on those important parts and subassemblies before storage.

- 1 Clean and dry up the vehicle and wax its surface.
- 2 Empty the fuel from the fuel tank and carburetor, spray some antirust.
- 3 Drive off the spark plug to fill a little of engine oil about 15-20ml into the cylinder, turn off the ignition switch and tread the kick-starter several times to scatter evenly the oil inside the cylinder, and then reinstall the spark plug.
- 4 Lubricate all the cables.
- 5 Seal the muffler outlet with plastic cloth to protect the former from moisture.
- 6 Cover the vehicle (don't use plastics or other coated materials) and store in an unheated area, free of dampness. Do not store the vehicle in direct sunlight.

WARNING

Gasoline is extremely flammable and is explosive under certain conditions. Perform this operation in a well-ventilated area with the engine stopped. Do not smoke or allow flames or sparks in the area where gasoline is drained or stored and where the fuel tank is refueled.

CAUTION

When removing the battery, dismantle the negative lead first, and then the positive lead. When installing it, the procedure is just opposite. During the operations above, the ignition switch must be turned off.

RESUMPTION OF SERVICE

- 1 Take off the cover shielding the vehicle and clean it.
- 2 Charge the battery as required. Install the battery.
- 3 Clear away the antirust inside the fuel tank, and fill fresh gasoline instead.
- 4 Perform a Pre-ride Inspection checks. Try the vehicle at low speeds in a safe riding area away from traffic.

Periodic service/lubrication

MAINTENANCE ROUTINE DIAGRAM

I : check, cleaning, adjustment, lubrication and/or replacement C : cleaning R : replacement

A : adjustment L : lubrication

* : This item of maintenance should be carried out at a service center. It may be also done by the user himself with reference to this manual provided he has special tools, sparts and is capable of this job.

** : This item can only be carried out by the serviceman at service center in order to ensure safety.

Item of Maintenance	Frequency	item/Frequency	Odometer km (Note 2)				Remark
			1000km	4000km	8000km	12000km	
* Circuit of fuel system				I	I	I	
* Fuel filter			C	C	C	C	
* Throttle operating system			I	I	I	I	
* Choke of carburetor			I	I	I		
Air filter element	R-yearly		C	C	C		
Spark plug	R-yearly		I	I	I	R	
* Air valve gap			I	I	I	I	
Engine lubricating oil			R	One replacement every 2000km			
Lubricating on screen	Monthly		C	C	C		
* Tension of chain			A	A	A	A	
* Idling speed of carburetor			I	I	I		
Driving chain	R-4year			I, L every 500km			
Battery			I	I	I	I	
Wear of brake shoes	R-2year			I	I	I	
Rear braking system			I	I	I	I	
** Braking liquid hose				I	I	I	also for disc style
** Cup of braking liquid	I		I	I	I	I	
** Braking liquid				One replacement every two year			
** Front braking system			I	I	I	I	
* Rear braking light switch			I	I	I	I	
* Dimmer			I	I	I	I	
Clutch			I	I	I	I	
Side stand				I	I	I	
* Suspension			I	I	I	I	
* Nuts, bolts & other fasteners			I	I	I	I	
** Wheel/spokes			I	I	I	I	
** Bearing of steering handle			I			I	

NOTE:

1 Maintenance should be conducted more frequently when the motorcycle driven in dusty areas.

2 When the read-out of the odometer exceeds the maximum figures specified in the table, maintenance should be still cycled according to the interval of mileage stated herein.