

□ **BLAZER250**

OWNER'S MANUAL BOOK



FORWARD

Sincerely appreciate your choice of our vehicle, we will provide you the best services.

This Owner's manual contains important safety and maintenance information. Read it carefully before you or youngster rides this vehicle. Failure to follow the warnings contained in this manual can result in **INJURY** or **DEATH**.

It is our sincere wish that you would enjoy riding our vehicle. Should you have any problems, please don't hesitate to contact our local dealers in your areas.

It is important that this manual should remain with the vehicle when you transfer it. The new owner will need this manual also. Keep it well because it's very important.

Perform pre-ride inspection every time before riding the vehicle. If inspection is not performed, it may cause serious damage to the vehicle or personal injury.

Do not attempt to start or operate the engine until you completely get familiar with the location and operation of each control unit necessary to operate this vehicle. The operator must know how to stop this machine before starting and riding it.

Beginner should drive this vehicle in a large open area to avoid sharp turns, high speed, and rough ground.

WARNING & SAFETY NOTES:

- Read this owner's manual carefully and make sure you understand it well before driving.
- Please DO NOT overload this vehicle, or it may lose its stability.
- Children are prohibited to drive this vehicle without an adult's supervision and instruction.
- This vehicle is designed and manufactured for off-road use only. Operation on public streets, roads or highways is illegal.
- Always wear an approved motorcycle helmet and fasten the seat belt.
- It's dangerous to drive on an unknown road.
- Keep a safety distance between your vehicle and other vehicles.
- Never consume alcohol or drugs before or while operating this vehicle, which can weaken your capacity of control and result in injury or even death.
- The vehicle must be fully stopped before drive backward, or the parts will be broke.
- The fuel supply should be checked before each time

this vehicle is used. Gasoline should never be poured into the tank while the engine is hot or running. Spilled oil or gasoline should be wiped off prior to starting the engine.

- Never run your vehicle indoors, the exhaust fume that called carbon monoxide from the engine is tasteless, odorless and poisonous.
- Unusual noise or vibrations from your vehicle generally indicates loose or worn parts. The engine should be stopped before the problem is checked.
- The operator of the vehicle should never place his hands or other parts of his body near any moving part of the vehicle.

Failure to follow these instructions could endanger personal safety and/or property. Read and follow all the instructions in this Manual before attempting to operate your vehicle.

SPECIFICATIONS

DIMENSIONS

Overall Length	----- 2230mm(87.86inch)
Overall Width	----- 1300mm(51.22inch)
Overall Height	----- 1500mm(59.10inch)
Wheelbase	----- 1550mm(61.07inch)
Front Track	----- 1300mm(51.22inch)
Rear Track	----- 1240mm(48.86inch)
Seat Height	----- 550mm(21.67inch)
Min. Ground Clearance	----- 180mm(7.09inch)
Passengers	----- One Passenger

ENGINE

Type	----- 1-Cylinder, 4-stroke, water cooling, O.H.C.
Bore X Stroke	----- 72×60mm

Displacement _____ 244ml
Compression Ratio _____ 10:1
Output Power _____ 11KW/7000RPM
Maximum Torque _____ 17.6/5500Nm/RPM
Starting _____ Electric
Ignition _____ CDI
Lubrication _____ Force & Splash
Spark Plug _____ DPR7EA-9(NGK)
Plug Gap _____ 0.7-0.8mm
Fuel Brand _____ RQ-90(unleaded)
Lubricating Oil Brand _____ SAE15W-40

CAPACITIES

Fuel Tank _____ 10L
Engine Oil Capacity _____ 1200ml
Climbing _____ 20°
Max. Speed _____ 70Km/h

ELECTRICAL

Battery _____ 12V9AH
Head Light _____ 12V35W/3W

Tail Light _____ 12V21W/5W
Fuse _____ 20A

CHASSIS

FR. Brake _____ Hydraulic Disc/Left foot
brake
RR. Brake _____ Hydraulic Disc/Left foot
brake
Parking Brake _____ Hand Control
FR. Tire _____ 19×7-8
RR. Tire _____ 20×10-10
FR. Suspension _____ Independent with Shock
RR. Suspension _____ Independent with Shock
Brake Distance _____ <7M@30km/h

WEIGHT

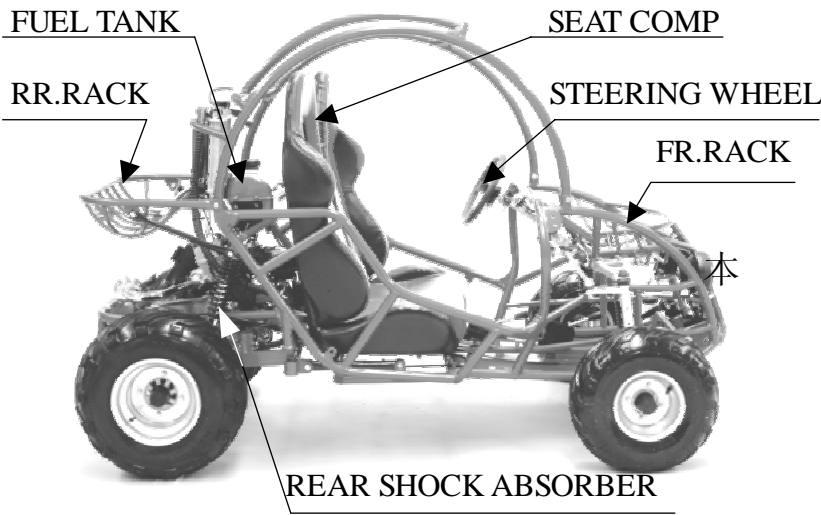
Dry Weight _____ 250KGS

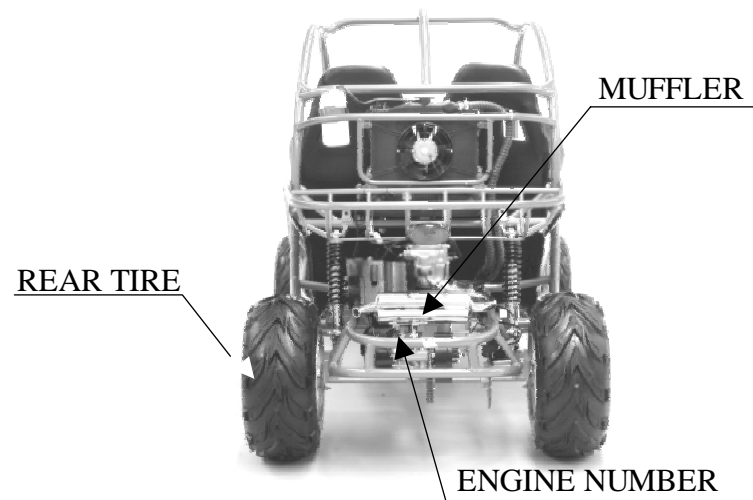
TIRE PRESSURE (MAX)

Front _____ 80-90KPa
Rear _____ 80-90KPa

PARTS LOCATION:

HEAD LIGHT
STEERING WHEEL
FUEL TANK
FRONT TIRE
REAR TIRE
SEAT COMP
VIN NUMBER
FR.RACK
RR.RACK
FRONT SHOCK ABSORBER
ENGIN NUMBER
MUFFLER
REAR SHOCK ABSORBER





BEFORE DRIVING

Install coolant tubes: Two coolant tubes fixed on radiator have been detached when the vehicle is packed for transportation.

When customer initially starts to drive the vehicle, please install the tubes as follow:

Inlet tube is installed with inlet and return tube with outlet

respectively; tubes are solid on the frame where close to the radiator.

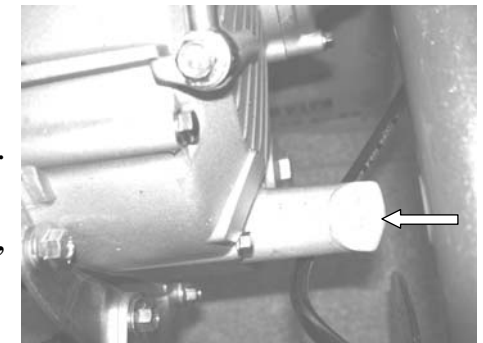
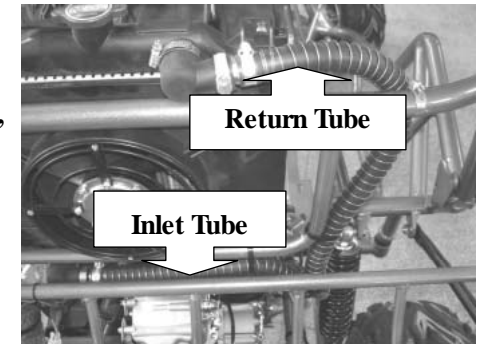
NOTE: The engine will be damaged due to its overheat cause by lack of enough coolant.

● Add reserve gear box lubrication oil

There isn't enough oil in the reverse gear box when the vehicle is packed for transportation. When customer initially starts to drive the vehicle, please add oil and check oil level periodically as follow:

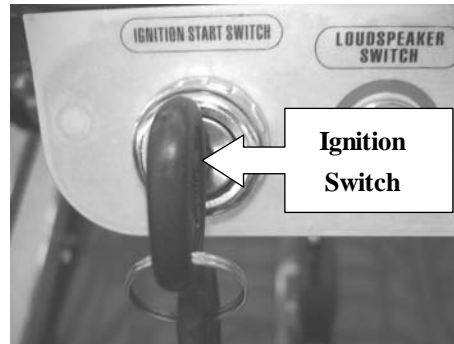
Screw off the bolt indicated in the picture, check oil level in gearbox, add it if necessary. Recommended oil: SAE15W-40

Operation



IGNITION SWITCH

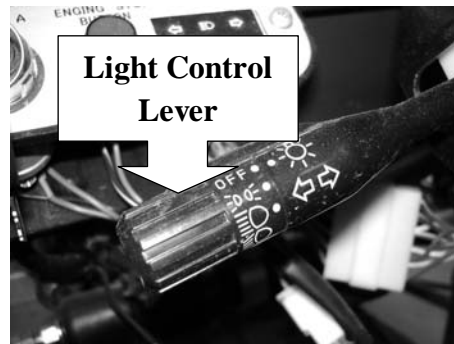
The ignition switch is located on the left side below the steering wheel.



LIGHT CONTROL LEVER

The headlight switch is located on the left side under the steering wheel.

● Put the light control lever in “OFF Position” to turn off the front lamps and rear lamp. Put the light control lever in “Dim Light Position” to turn on the front lamp and rear lamp. Put the light control lever in “Light Position” to turn on the headlamp. The headlamp is on “Dim light” position at this time.

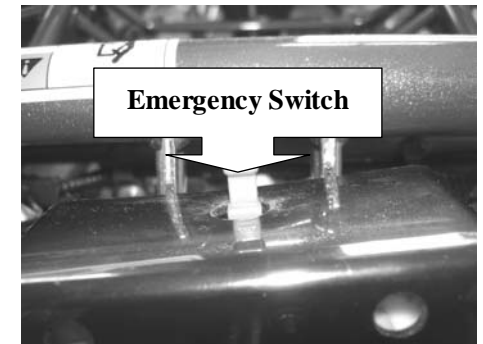


● Turning Light Control:

- When pull the light control lever upwards, the right turning light will flash, which indicates the vehicle will turn right.
- When press the light control lever, the left turning light will flash, which indicates the vehicle will turn left.

“EMERGENCY” SWITCH

When pull the “emergency” switch upwards, the turning light on the two sides will flash, which indicates the vehicle is in emergency state.



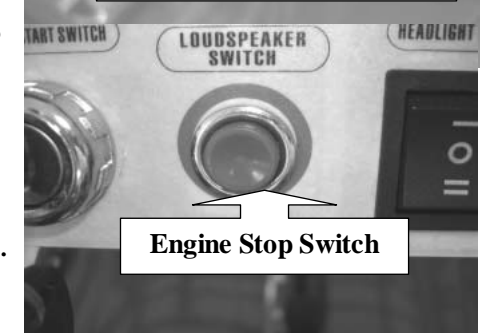
HORN CONTROL LEVER

Pull the horn control lever backwards to make the horn work



ENGINE STOP SWITCH

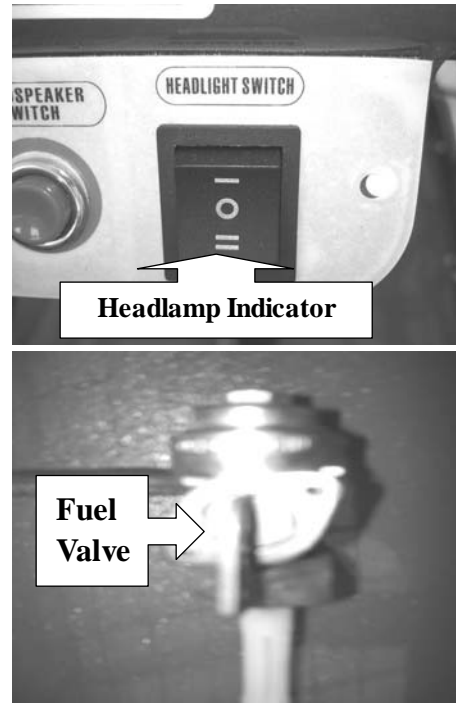
The engine stop switch is located on the left side below the steering wheel. It is used as an emergency



or safe switch. Press the switch, then the engine will stop. Press the switch again, then the switch will come back to normal condition.

LIGHT INDICATOR

- (1) Light Indicator
- (2) Headlamp Indicator



FUEL TANK

The fuel tank is located behind the seat compartment of the vehicle. When refueling turn the fuel tank cap counter-clockwise to open it. The tank capacity is 10L

FUEL VALVE

The fuel valve is located under the fuel tank. There are three working positions.

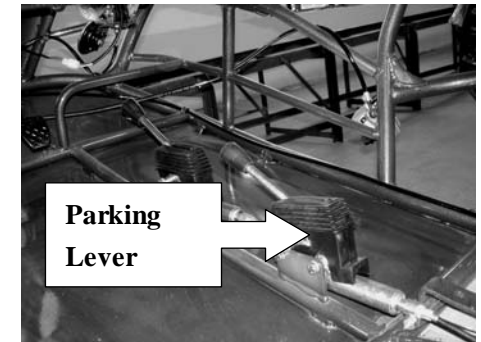
ON Position: The normal operating position for the fuel valve lever is the "ON" position

RES Position: If the fuel level in the fuel tank becomes too low for the engine to operate with the fuel valve lever in the "ON" position, turn the lever to the "RES" position to use the reserve fuel supply, and refuel as soon as possible. The reserve fuel supply is about 1-1.5L.

OFF Position: When the lever is in the horizontal position, this "OFF" position is the closing position of the fuel valve lever.

PARKING WITH PARKING LEVER

The parking lever is on the left side of the seat. When parking the vehicle, pull the parking lever up and rise for 60°. The brake cable will pull the rear hydraulic disc brake to stop the vehicle, whereas loose the lever to the horizontal position to release hand brake.



BRAKE PEDAL

The brake pedal is on the left side below the steering wheel. The left foot to control the rear brakes operates it.

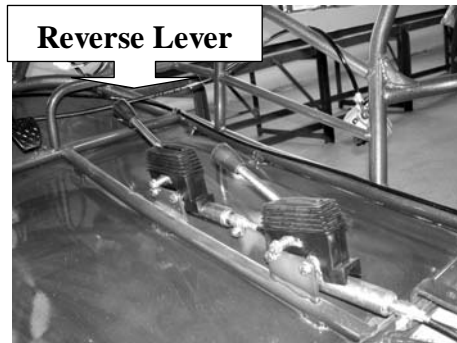
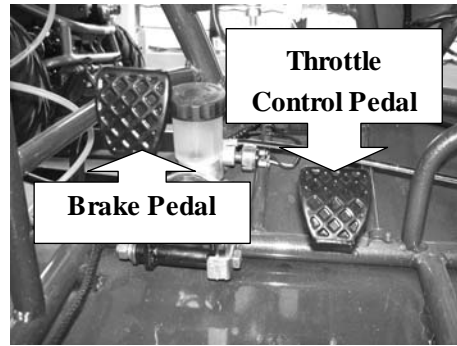
For braking, step down the pedal. Release your foot from the brake pedal and the pedal will automatically return to its normal position.

THROTTLE CONTROL PEDAL

The throttle pedal is on the right side below the steering wheel and is controlled by the right foot. Step down the pedal to increase speed. When you release the foot, it will automatically return to the idle position.

REVERSE

Reverse is in the front of the parking lever. Put the control lever to D position so that you can drive the vehicle forward. Put the control lever to N position so that you can stop the vehicle. Put the control lever to R position so that you can drive the vehicle backward.



WARNING!
STOP VEHICLE BEFORE ENGAGING
MACHINE INTO REVERSE.

FUEL AND OILFUEL

Use #90 or above unleaded gasoline. If there is a slight crack in the engine, perhaps it is because the low-grade fuel is used, and it should be replaced.

Note: Using unleaded gasoline can extend the life of the spark plug.

OIL

Using premium four-stroke engine oil can extend the life of the engine.

Please use **SAE15W-40** high-purity high-performance oil.

OIL REPLACEMENT

After initial 20 hours driving, it is needed to replace the crank oil, and replacement after every 60-hour-driving is necessary.

- Firmly pull the parking lever up to set the vehicle in braking position. Warm up the engine for about 5 minutes. Detach the oil gauge and dismounts the oil drain screw to drain remain oil completely.

- The oil drain screw is at the bottom of the engine.
- Clean the oil drain screw and mount it back.
- Inject the specified SAE15W-40 oil. Do not use oil of other specification.
- The oil level is about 1.2L. Fill the oil to the upper limitation position of the oil gauge.
- After warm up the engine for about 5 minutes, stop it for 30 seconds and then inspect the oil level, if it is still not enough, add the oil to the instructed level.

CHECK PRIOR TO OPERATION

Check prior to operation. Never neglect the importance of these inspections. Perform all inspection before driving.

- Steering---Inspect if the steering moves smoothly and without any restriction, or looseness.
- Tire---Check the tires condition and pressure. Inspect the depth of the tire tread, and check if there is no scratch or cut on it.
- Fasteners---Check all nuts, bolts and other fasteners. Check wheels to confirm that all axle nuts and lug

nuts are tightened properly. Tighten the fasteners if necessary

- Seat Lock---Check if the seat lock is locked.
- Fuel and Oil---Check the fuel level in fuel tank and oil level in oil tank.
- Brake---Check brake pedal for effective braking and make sure that the brake is not slippery
- Throttle---Check for smooth operation. Assure throttle "snaps" back to idle. Adjust the free play of the throttle cable.
- Lights---check all the lights, such as headlights, taillight and brake light.
- Stop Switch---Perform stop switch test. Repair if necessary.
- Guards---Ensure all protective guards are in place before operating this vehicle.

- Battery Electrolyte---Check the liquid level and fill it if necessary. Recharge the battery can extend its life.

CAUTION!
ALWAYS FOLLOW RULES FOR SAFE
OPERATION AND WEAR A HELMET

PREPARATIONS BEFORE STARTING THE ENGINE:

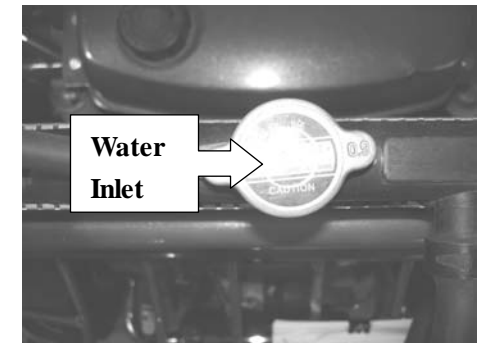
LUB OIL LEVEL CHECK

Make daily lub oil level check before starting the engine. Oil level must be checked with the engine in the upright mounting position. Insert the oil gauge (Do not screw it in.) and then take it out to check the oil level, which should be maintained between the upper level mark and the lower level mark. Add recommended oil (See Page 8.) up to the upper level mark if necessary.

COOLANT CHECK

Before initially starting the engine, fill the antirust, antifreeze coolant in the following way:

Take off the radiator cap, fill up the coolant and then put on the cap. Start the engine, run it for two minutes and then stop the engine for five minutes before taking off



the radiator cap to add coolant in the above-mentioned order. Repeat this procedure for three times.

Before starting the engine, daily check coolant level should be made to make sure the coolant level in the sub-radiator is between the upper and lower level mark. If coolant level is too lower, open the sub-radiator cap to add the coolant up to the limit.

CAUTION!

**WHEN THE ENGINE IS IN THE HOT STATUS,
OPENING THE RADIATOR CAP IS PROHIBITED
SO AS TO AVOID HOT WATER BEING SPLASHED
OUT TO HURT YOU!**

**CORRECT WAY OF DRIVING
ENGINE STARTING METHODS
ELECTRIC STARTER**

- Pull up the parking lever to the braking position before starting.
- Turn the fuel valve to "ON" position.
- Insert the key into the ignition switch and turn it to "First speed" position. Electric starter is ready to work.
- Turn the key clockwise from "First speed" position to start the engine. After starting the engine the key will automatically return to "First speed" position. If the engine cannot get started after 3-4 seconds, please open throttle a littler more to start the engine, but not more than 5 seconds in order to avoid using up the battery. Please restart the engine after 10 seconds interval.

CAUTION!

**WHEN STARTS THE ENGINE, KEEP ONE
FOOT STEP ON THE BRAKE PEDAL.**

DRIVING

- Sit on driver seat, Fasten seat belt and hold the steering wheel.
- Release the parking lever to the horizontal position.
- Slowly steps the throttle pedal with right foot so that the vehicle move forward slowly.

Note: Do not open too much throttle, or it may have some negative effect on the machine. Turning a corner at excessive speed may roll over the vehicle and cause physical injury.

STOPPING

- To stop the vehicle, first release the throttle pedal, then toe on the brake pedal, the vehicle will stop slowly.
- When the driving is finish, turn the engine stop switch to the "OFF" position to stop the engine.
- Turn the fuel valve to the "OFF" position.
- Turn the ignition switch to the "OFF" position, and remove the key.
- Pull up the parking lever to park position.

BREAKING IN

Correct breaking-in of the new vehicle is very important to extend the life of the vehicle and performance all the features. At the first 10-hour-driving of your new vehicle, limit the driving speed to 25km/h, and do not drive at high speed in order to avoid quickening the parts wearing.

PERIODICAL CHECK AND SERVICES

The maintenance intervals in the following table are based upon average riding usage. Riding in unusually dusty areas, require more frequent servicing.

Time of service Items	Initial service (First week)	Monthly	Quarterly	Yearly
Tire pressure/wear	I	I		
Brake performance	I	I		
Tightness of fasteners	I	I		
Air cleaner		I		
Carburetor	I	I		
Spark plug		I		
Brake fluid			I	
Engine oil		I		
Oil filter screen		I		
Chassis		I		
Fuel valve/fuel tank		I		
Battery		I	I	
Valve clearance of engine			I	
Operation cable		I		

A: adjust C: clean L: lubricate R: replace

I: inspect, clean or replace if necessary.

PERIODICALLY INSPECT FASTENERS OF TIRE, STEERING KNUCKLE, SHOCK, REAR AXLE, ENGINE, BRAKE CYLINDER, REAR SWING ARM, TIGHTEN THEM FOLLOW THE TORQUE DATA.

TORQUE DATA OF FASTENERS:

M6	9-11 N • m
M8	20-30 N • m
M10	30-40 N • m
M12	35-50 N • m
M14	40-60 N • m
M16	50-70 N • m

The Followings are some instructions during the periodical check. Engine Oil Check

- Check the oil gauge. Make sure there is enough lubricating oil, and the total capacity of the lubrication is 1,200ml.
- SAE 15W-40 engine oil is recommended.

FUEL TANK CHECK

- Check if there is enough fuel in the fuel tank.
- The fuel tank capacity is 10L.
- Refuel when the engine is stopped and cool.
- RQ90 unleaded gasoline is recommended.
- Do not fill too much fuel or it may overflow and cause firing.

TIRE PRESSURE I WEAR CHECK

- Check if the tire pressure is normal. The specified front tire pressure is 80-90kPa. The rear tire pressure is 80-90kPa.
- Check if there is any metal fragment or nail stamping on the tire, if there is, remove them immediately.

BATTERY CHECK

- Measure the voltage; the normal voltage should be above 12V.
- Keep the terminals clean and the connector conductive.
- If the voltage is below the normal condition after checking, remove the battery to recharge it.

CHASSIS CHECK

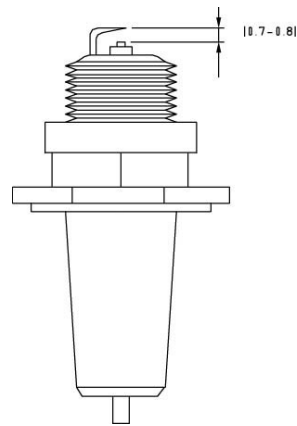
- After cleaning the chassis, inspect the frame, front and rear suspension, swing arm, rear axle and fasteners and check if there is any defect welding, crack or abnormal loose connection.
- Press down the front and rear rack to check the performance of the front and rear shock absorber respectively.

SPARK PLUG CHECK

- Remove the wire from the spark plug and take it off with the spark plug wrench. Inspect the electrodes and central insulator to make sure there is no deposits, erosion and fouling. If there are deposits, erosion and fouling, clean it with a plug cleaner or a wire brush.

If the deposit, erosion and fouling is heavy, replace the plug according to the specification.

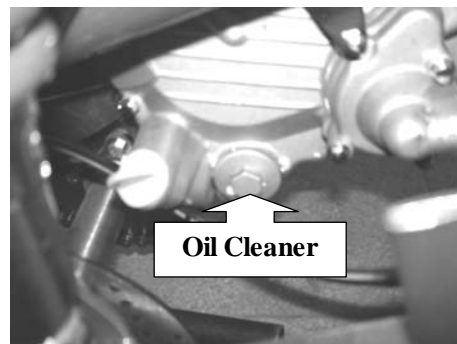
- Measure the electrode gap side electrode gap (1) with a feeler. If the adjustment is necessary, bend the side electrode (2) slightly until the correct gap value (0.7-0.8mm) is reached.
- After adjustment, put the plug washer on the plug, screw it in with your hand and then tighten it with the spark plug wrench.



NOTE: Use the specified spark plug, otherwise the engine will not run properly.

Replace the engine oil and clean the filter

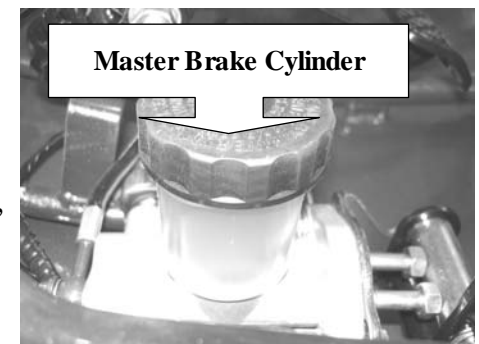
- Put an empty oil pan under the engine.
- Remove the screwed plug, spring and oil filter component and drain the used oil.



- Tilt the engine towards side of the screwed plug to drain off the used oil. Clean the filter component in the flushing oil and dry it. Clean the spring and the screwed plug. Assemble the filter component, spring and the screwed plug. Fill in 1.0-1.2L specified engine oil to the oil gauge hole on the engine and then screw in the oil gauge. Now, start the engine and run the engine for several minutes. Then, stop the engine and check the oil lever again (See Page 8.). If necessary, fill up more oil to the oil level.

BRAKING SYSTEM CHECK

The brake pedal must have proper free play. Free play is the distance from the free state of the brake pedal to the position that the brake begins to work, and it is about 10-15 mm.



- Periodically inspect the thickness of the brake disc. When its wear surface is more than 1mm, it should be replaced.
- Often inspect the liquid level of the brake fluid in

the oil cup. When the brake fluid level is below the mark line, should drain out the remained brake fluid, and fill new DOT3 brake fluid. Always keep the brake disc and the brake pads clean.

MAINTENANCE GUIDE

Repairing and service should be carried on by professional service stations, unless the owner has a complete set of repairing tools and maintenance knowledge.

Before any maintenance, you should stop the engine first and stop the vehicle on a firm and even ground.

If your vehicle has collided or fallen over, please carefully inspect every main parts of the vehicle, such as the frame, suspension and steering device for damages. If the vehicle is damaged, it will endanger safe driving, so please do not drive a damaged vehicle. Send it to a professional service station to check, adjust and repair, after which you can drive the vehicle again.

TROUBLE SHOOTING

THE ENGINE DOES NOT START

SN	Reason	Solution
1	No Gas	Refuel or clean clogged tube.
2	Piston ring of the cylinder wore too much cause compress pressure too less.	Replace the piston ring
3	Air leaking between cylinder head and cylinder assy.	Mount cylinder head bolt as specified torque or replace spacer.
4	Plug gap is wrong.	Adjust the gap.
5	Sooty spark plug	Clean it.
6	Spark plug insulator disabled.	Replace the spark plug.
7	Air filter clogged.	Clean or replace the filter element.
8	No low tension or not enough current 1.Battery is dead or running dead. 2.Low-tension circuitry turn off or poor contact.	1.Recharge. 2.Inspect the Circuitry to eliminate turn off of low tension or poor contact.
9	No high-tension or weak spark.	Inspect CDI and high tension wire

LOW POWER OF THE ENGINE

SN	Reason	Solution
1	Bad breaking in between piston ring and cylinder.	Breaking in as manual
2	Serious wear of cylinder, piston and piston ring.	Repair or replace.
3	Air leaking in all the contact surface.	Repair or replace.
4	Air leaking between spark plug and cylinder head.	Mount or replace Spacer.
5	Too much drifting dust in the air filter.	Replace the filter element.
6	Exhaust bad.	Clean the sooty muffler & exhaust pipe or replace them.

VIN NUMBER & SERVICE REGISTRATION

PRODUCT IDENTIFICATION NUMBER

Please record the VIN number and engine number for reference.

VIN Number:

The VIN number is stamped on the right part of the frame (See Page 8.).

Engine Number:

The engine number is stamped on the top left part of the left crankcase.

SERVICE RECORD

Purchase Date:_____ Dealer:_____

Service (1)	Service (2)
<p>Date:_____</p> <p>_____</p>	<p>Date:_____</p> <p>_____</p>

FEATURES

This vehicle uses the engine with 172mm, 4-stroke, water-cooling. It's very powerful; less consumes the fuel, low noise, low pollution and reliable quality, running steadily, CVT, easy operation. The magneto can running at low speed, high speed and electronic start, it also supplies the power of light and horn.

The constant vacuum diaphragm carburetor is assembly to the engine, which sufficient atomizing, economic on petrol, high combustion efficiency, low pollution and high acceleration.

The vehicle uses independent parallel suspension with hydraulic shock absorber, tubeless balloon tire; the unit is cozy and steady when driving.

BLAZER250 Go-kart is the first choice for entertainment of seashore, grassland field, sand dune, farm and open area.

