

POCKET SCOOTER



SAFE FOR USE (CAUTION!!)

This mark notifies a very important item for safety. Be sure to observe the notice.

PROHIBITED ITEMS

- ⚠ *Do not allow anyone who does not understand this instruction manual to operate the gasoline scooter.
- ⚠ *Gasoline scooters should use mixture of the unleaded gasoline and the two cycle engine oil. The volume ratio is 25–30:1. Do not use any degraded fuel (which smells sour) or fuel of wrong mixture ratio. It will cause a poor start, insufficient output or damage the engine.
- ⚠ *Do not use 4 cycle engine oil. (Otherwise, it causes the plug to be degraded, the piston ring to seize or the muffler to be clogged.)
- ⚠ *Do not run the engine in a room or poorly ventilated area. (the exhaust gas includes odorless but hazardous carbon monoxide.)
- ⚠ *Do not put your hand or foot near any moving or rotating part of engine.
- ⚠ *Do not store, spill or use any gasoline near a fire, stove, oven, boiler or other instruments which uses a pilot light or spark. (Otherwise, it may cause an explosion.)
- ⚠ *Smoking is strictly prohibited while refilling the fuel.
- ⚠ *While the engine is running or while it remains hot soon after stopping, do not remove the lid of the

fuel tank or refill the fuel. (Before or refilling the fuel, stop the engine and cool it down 2 minutes or more.)

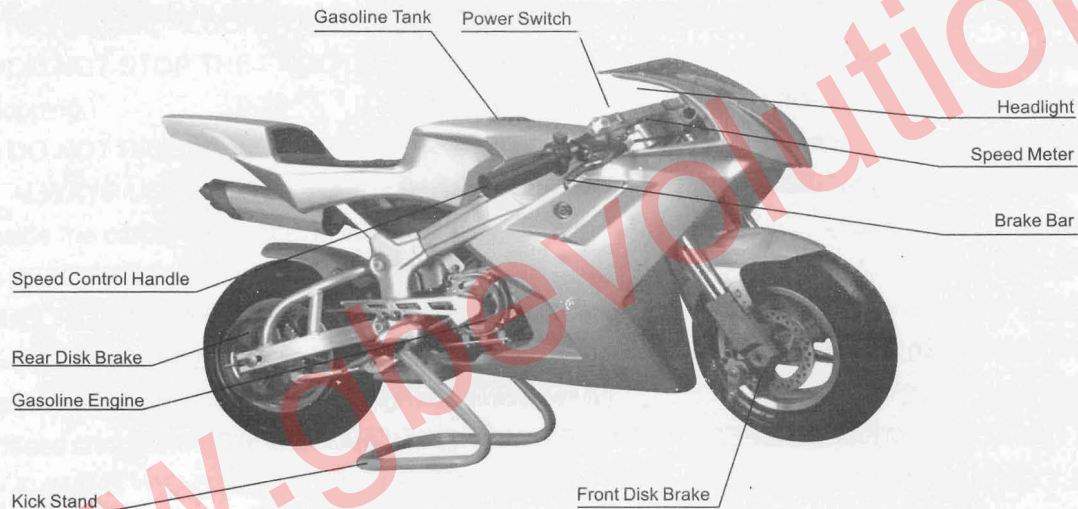
- ⚠ o DO NOT RIDE IF YOU ARE UNDER 16 YEARS OLD.
- ⚠ o PREGNANT PERSONS SHOULD NOT USE THIS PRODUCT.
- ⚠ o NEVER USE ALCOHOL OR DRUGS BEFORE OR WHILE OPERATING.
- ⚠ o DO NOT STOP THE SCOOTER SUDDENLY. (Run slowly 3–5 minutes after start-up or before stopping.)
- ⚠ o DO NOT RIDE IF YOU WEIGHT OVER 250lbs.
- ⚠ o ALWAYS USE NEW GASOLINE. (If any oil, gasoline is used, some sticky material may stick to inside the carburetor, causing the engine to run poorly.)
- ⚠ o BEFORE STARTING THE ENGINE, MAKE SURE THAT NO PERSON OR FUELFILLED TANK IS PRESENT WITHIN A RADIUS OF 15m.
- ⚠ o This scooter does not confirm to federal motor vehicle safety standards and is not intended for operation on pedestrian, street, highway and freeway.
Please check with your local Dept. of Motor Vehicles for regulation in your country.
- ⚠ o ALWAYS WEAR HELMET & SAFETY GEARS.
- ⚠ o ALWAYS CHECK THE BRAKE INSTRUMENTS BEFORE RIDING.
- ⚠ o DO NOT RIDE IN RAINING, SNOWING DAY, SLIPERY SURFACE, OR UNSTABLE DUE TO GRAVEL, SAND.

TECHNICAL SPECIFICATION

1. ENGINE TYPE: 47CC SINGLE-CYLINDER/AIR-COOLED/2-STROKE
2. FUEL: UNLEADED PETROL+2 CYCLE ENGINE OIL(JASO FC Class) volume of Ratio:25-----30:1
3. START-UP: MANUAL (With Recoil Starter Grip)
4. BRAKE: FRONT & REAR DISK BRAKE
5. TIRE: 11 inch vacuum air tire
6. MAX SPEED: 50-55km/h(60km/h)
7. MAXIMUM LOAD: 300lbs
8. NET WEIGHT: 25 KG
9. PRODUCT SIZE: 40 x 14 x 23 inch
10. CARTON SIZE: 40.2 x 14 x 23.8 inch
11. SHAFT DISTANCE: 50cm \pm 10
12. MAX CAPACITY/ROTATION SPEED: 1.25/6500(km/r/min) 1.5/6500(km/r/min)
13. FUEL CONSUMPTION <680(g/kw.h)
14. FUEL CAPACITY: 1L

Main parts description

(See graph 1)



(graph 1)

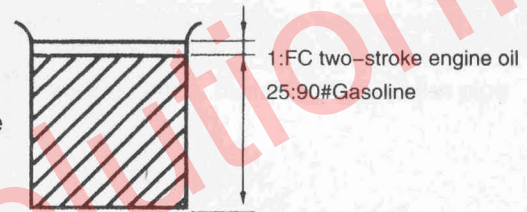
Preparation before start-up

1. Inspect electric equipment.

Check key switch, headlight, horn, starting circuit.

2. Refuel

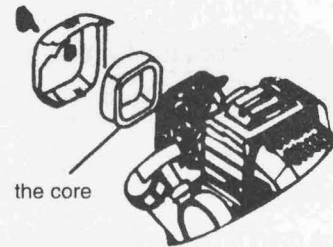
Use the mixture of the gasoline and the two-stroke engine oil. The volume ratio is 25-30:1. (See graph 2) use a clean and special fuel glass and grasp cap to shake in more than 30 seconds. Don't use mixture oil in more than 1 month.



(Graph 2)

3. Check and clean the air filter

The air filter must be often cleaned, or the polluted air filter will lower the output power of the engine. If the air filter is blocked by dust, use gasoline to clean the air filter, then dip in the oil, wring oil out and put the air filter back. (See graph3)

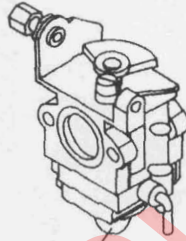


(Graph 3)

Start-up

1. Manual start

- (1). Turn out the gasoline switch until the gasoline flows out of the clear plastic pipe. (See graph 4)



manual oil pump

(Graph 4)

- (2). Close the choke totally (see graph 5). If the engine is heated, the choke must be totally opened

close
↑
↓
open

the choke door



(Graph 5)

(3). Open the throttle half.

(4). Draw the starter several times slowly, and then draw quickly.

Note: If the excessive gasoline causes the start difficulty, take down the ignition plug and the input pipe, open the chock and the throttle totally, draw the starter several times, then install the input pipe and start the engine. After the star-up, open the chock totally.

2. Electrical start

(1). Turn on the gasoline switch; Close the chock totally; Open the throttle half.

(2). Pull down the start switch (The start of the motor should work in a short time, pulling down the start switch should less than 5 seconds and forbid to pull down the start switch for a long time).

Note:

1. Forbid to pull down the start switch by the act of "spot start", the "spot start" should finish in a short time. The starting motor can't work.

2. The running sound of the gasoline engines can help you analyze whether the shortage or not at the moment of pulling down the start switch (about 2–5s), if the voltage is enough, the running sound is in order and clear; if not, the running part can't work normally.

3. Pulling down the start switch at first (about 2–5s), you will hear the clear and orderly sound. If the start

fails, use the electric start after 5 seconds. If the start fails for 3 times, you should check the motor. Forbid to use electric start often.

Maintenance

1. Daily check

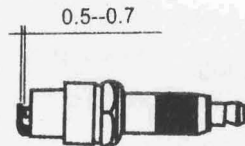
- (1). Check all screws and nuts and see if they are loosened.
- (2). Check fuel leakage or air leakage.
- (3). Check whether electric equipment is working.

2. Check after running 20 hours.

- (1). Clean the air filter.
- (2). Clean the fuel strainer.

3. Check after running 50 hours.

- (1). Refasten the nuts of the cylinder.
- (2). Clean the accumulated carbon both in the combustion chamber and in the exhaust of the cylinder.
- (3). Clean the accumulated carbon in spark plug; adjust the clearance to 0.5–0.7mm. (See graph 6)



(Graph 6)

Storage

If the scooter isn't used for a long time, it must be maintained as follows:

1. Remove the fuel in the tank and in the carburetor, close the chock totally, draw the starter 3-5 times.
2. Take down the spark plug, add certain engine oil from the spark plug hole into the cylinder, and draw the starter 2-3 times to move the piston to the top dead center, then install the spark plug.
3. Use the soft cloth with engine oil to clean the surface of the engine, smear wax on the frame and put the engine to the dry and windy place for the next use.

Trouble shooting

1. Fail to start

- (1). Gasoline mixed with water. Please replace it.

(2). The spark plug has accumulated carbon or has been broken through.

(3). Poor contact of the high-voltage wire with the spark plug.

2. The engine can start, but can't run speedily.

(1). The choke is open totally or not.

(2). The ratio of the engine oil and the gasoline is normal or not.

(3). Maybe there is water in the gasoline.

3. The gasoline engine can run, but has not enough power.

(1). Maybe the air filter is blocked by dust.

(2). Maybe the cylinder exhaust and the muffler are blocked by the accumulated carbon.

(3). The piston rings and cylinder have been badly worn out.

(4). Maybe the fuel strainer is blocked by dust.

(5). The body or the top of the shaft has oil leakage and air leakage.

4. The gasoline engine stops suddenly when running.

(1). Run out of the gasoline.

(2). The high-voltage wire drops.

(3). The spark plug has accumulated carbon or has been broken through.

(4). The fuel strainer is blocked by dust.

(5). Maybe there is water in the gasoline.

(6). The air hole of the tank lid is blocked by dust.

5. No charging the battery or charging not be well.

(1). The charger is sparked over.

(2). The battery is destroyed.

(3). The starting motor is damaged.

6. Can't stop engine.

(1). The stopping wire of switch is open circuit.

(2). The start switch is short circuit; the electro motor is in the electrifying state all long.

Periodic inspection list

Item \ Interval	Before daily operation	Every 50hours	Every 100hours	Every two years
Check bolts and nuts, and retighten as necessary	○			
Check for fuel leak.	○			
Check and clean air cleaner.	○			
Clean the cooling air intake port, cooling fins, muffler and surroundings.	○			
Check and clean spark plug.		○		
Check and clean fuel filter.		○		
Clean muffler and cylinder of carbon.		○		
Clean spark arrester.		○		
Replace spark plug.			○	
Replace the fuel pipe.				○