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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.
 - Do not run the engine in a room or poorly ventilated area. (The exhaust gas includes odorless and 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 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.)
 - If any gasoline spill or smelled or any danger of explosion is felt, do not run the engine.
 - Do not stop the engine while choke lever is in the closed position.
 - Do not run the engine with the muffler or air cleaner cover removed.
 - Do not touch any hot muffler or engine part. (Otherwise, it may cause a burn.)

- When the engine runs, do not touch any spark plug cap or high-tension cord. (Otherwise, it may cause an electric shock and harm your body.)
- Do not force or repeat using electric start at low voltage level. (Otherwise, the starting engine will be damaged.)
- ALWAYS WEAR HELMET & SAFETY CHAIRS.
- ALWAYS CHECK THE BRAKE INSTRUMENTS BEFORE RIDING.
- DO NOT RIDE IN RAIN, SLIPPERY SURFACES, SNOW AND ICY SURFACES.
- DO NOT RIDE IF YOU ARE UNDER 16 YEARS OLD.
- PREGNANT PERSONS SHOULD NOT USE THIS PRODUCT.
- NEVER USE ALCOHOL OR DRUGS BEFORE OR WHILE OPERATING.
- DO NOT STOP THE SCOOTER SUDDENLY. (Ride slowly 3-5 minutes after start-up or before stopping.)
- DO NOT RIDE IF YOUR WEIGHT IS OVER 250lbs
- ALWAYS USE NEW GASOLINE. (If any old gasoline is used, some sticky material may stick to inside the carburetor, causing the engine to run poorly.)

• BEFORE STARTING THE ENGINE, MAKE SURE THAT NO PERSON OR FUEL-FILLED TANK IS PRESENT WITHIN A RADIUS OF 15m.

• This scooter does not conform to Federal Motor Vehicle Safety Standards and is not intended for operation on pedestrian, street, highway and freeway.

Please check with your local Department of Motor Vehicles for regulation in your local area.

TECHNICAL SPECIFICATION

1. ENGINE TYPE: 49CC SINGLE-CYLINDER/AIR-COOLED/4-STROKE
2. FUEL: 93# GAS.
3. Motor Oil Type: 15W40-SF
4. HEADLIGHT, TAILLIGHT, TURNINGLIGHT & HORN.
5. FIRE MODE: CDI
6. START-UP: ELECTRICAL / MANUAL
7. BRAKE: FRONT & REAR DISC BRAKE
8. TIRE SIZE: F: 100/90-10; R: 145/90-10;
9. MAXIMUM LOAD: 100KGS
10. NET WEIGHT: 55 KGS
11. PRODUCT SIZE: 1420x560x800mm
12. CARTON SIZE: 1490x440x850mm
13. BATTERY: 12V/3AH
1. TANK CAPACITY: 1.8L

PREPARATION BEFORE STARTUP

1. Inspect Electric equipment
Check key switch, headlight, and starting circuit.
2. Use Regular Unleaded Gasoline (Do not mix gasoline with 2-cycle oil)
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 dirt, use gasoline to clean the air filter, then dip in the oil, wring oil out and put the air filter back.

HOW TO START

1. Electric Start
 - a). Turn key to the "on" position
 - b). Pull left hand brake lever
 - c). Make sure that the transmission is in neutral by using left foot keep press/release until you can push bike forward freely.
 - d). At same time, press button on your right thumb on side of your handgrip.
 - e). Let engine idle between 2 ~ 5 minutes before riding.

2. Kick Start

- a). Same as above
- b). Same as above
- c). Same as above
- d). Unfold kick start pedal on the right side of engine
- e). Use right foot press down until engine start. (Normally, it will take 3 ~ 5 tries.)

MEANS OF CHARGE

1. When the motor's speed is higher than 5000r/min, the starting motor will charge the battery automatically.
2. Battery needs to be about 3A to start motor.
3. The battery may need charging during non-use. You may use engine idle to do some charging. You may purchase a 12V/3A charger, if need to do extra charging.

OPERATION AND RUNNING

1. After the engine starts, idle 3 ~ 5 minutes at a low speed.
2. Make you are properly seated, wearing helmet & other safety equipments.
3. After engine is warmed up, twist throttle gently toward you and release to slow down.
4. This bike is equipped with front and rear hydraulic disc brake, squeeze both brake, make sure they are functioning properly.
5. This bike is built for racing only; it must be ridden on smooth paved surfaces.
6. Parking - There is kickstand for every bike, unfold kickstand when parking.

STORAGE

If the bike is not used for a long time, it must be maintained as follows:

1. Remove the fuel in the tank and in the carburetor, close the choke totally, runs the bike until all gas in system is used up.
2. Take out the spark plug, add a few drops of motor 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 to back to motor.
3. Use the soft cloth with motor 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

MAINTENANCE

1. Daily Check
 - a). Check all screws and nuts and see if they are loosened.
 - b). Check fuel or air leakage.
 - c). Check electric equipment is working properly.
2. Check after running 20 hours
 - a). Clean the air filter.
 - b). Clean the fuel filter.
3. Check after running 50 hours
 - a). Refasten the nuts of the cylinder.
 - b). Clean the accumulated carbon both in the combustion chamber and in the exhaust of the cylinder.
 - c). Clean the accumulated carbon in spark plug; adjust the clearance to 0.5-0.7mm. (See graph below)

TROUBLESHOOTING

1. Engine fails to start
 - a). Maybe gasoline mixed with water.
 - b). Maybe the spark plug has accumulated carbon or has been broken through.
 - c). Maybe poor contact of the high-voltage wire with the spark plug.
2. Engine can idle, but can not accelerate
 - a). The choke is open totally or not
 - b). Maybe there is water in the gasoline
3. The gasoline engine can run, but has not enough power.
 - a). Maybe the air filter is blocked by dust
 - b). Maybe the accumulated carbon blocks the cylinder exhaust and the muffler.
 - c). The piston, the piston rings and cylinder have been badly worn out.
 - d). Maybe the fuel filter is blocked.
 - e). The body of the top of the shaft has oil leakage and air leakage.
4. The gasoline engine stops suddenly when running.
 - a). Run out of the gasoline.
 - b). The spark plug has accumulated carbon or has been broken through.
 - c). The spark plug has accumulated carbon or has been broken through.
 - d). The fuel filter is blocked.
 - e). Maybe there is water in the gasoline.

5. No charging the battery or charging unwell.

- a). The charger is sparked over
- b). The battery is destroyed.
- c). The starting motor is damaged.

6. Cannot stop the engine

- a). The stopping wire of switch is open circuit
- b). The start switch is short circuit, the electro motor is in the electrifying state.

