

WATER / SEMI TRASH PUMP OWNER'S MANUAL



Model WP255
IMS (International Merchandising Services)

Warranty Information

Do Not Return To Store

One year Limited Manufacturer's Warranty.

Products are not to be returned to retailer

Service is available from a network of providers nationwide

To identify a provider in your area or for warranty information call toll free

866 797 2738

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(I) SAFETY INFORMATIONS

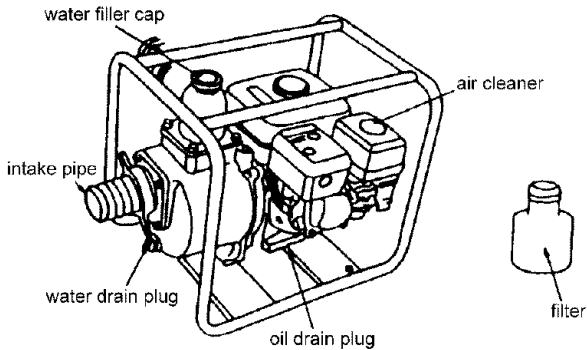
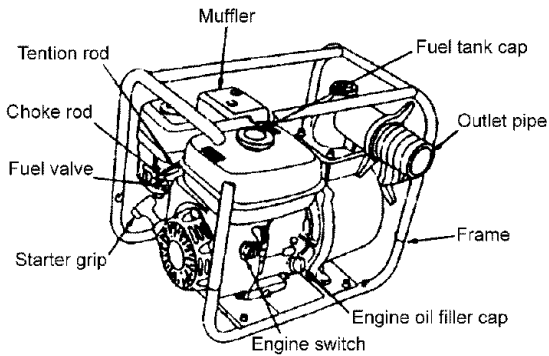
- To sure safety, don' t use water-pump pump combustible, caustic, brine(e.g. wine, honey, oil has been used) , or caustic liquid(e.g. gasoline and acid).
- To prevent fire, stop engine when refueling.
- To prevent fire, clean the overflowing fuel.
- To prevent fire, never use the machine in flammable conditions.
- place the machine in a place where pedestrians or children are not likely to touch the machine.
- To prevent being poisoned and fire disease, when exhausting, never point to building or appliance with exhaust-pipe.
- To prevent being poisoned, never operate the machine indoors or any where with air blocked.
- To avoid accident, please place the water-pump in the horizontal and solid position.
- To avoid accident, before you start the engine, please check the machine is safety.
- Before starting, please check the oil is full.

(II) SAFETY LABEL LOCATIONS

Your water-pump/petrol engine must be used with care. Therefore, decals have been place on the machine, to remind you pictorially of main precautions to take during use.

Should one become detached or unreadable, contact your dealer for its replacement.

(III) NAME OF EVERY PART



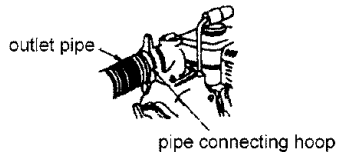
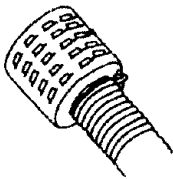
(IV) PRE-STARTING OPERATION

1: Connect intake pipe

Used commercially available hose, pipe joint and pipe connecting hoop. The intake pipe must be continuous and can not be folded exceed what' s needed, the pump does best when it is not far from the water. The time that the pump takes water is in direct proportion to the length of the intake pipe. The filter which forms complete set with the pump must be fixed on the end the intake pipe as shown in the picture.

● Before pumping water, the filter must be fixed on the end of the intake pipe. The filter can help remove the mess which may result in blocking and can harm the impeller.

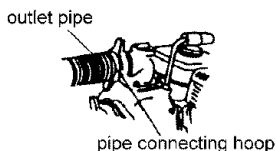
Caution: Fix the pipe joint and pipe connecting hoop well, in case it leaks air and lower the intake power. If the intake pipe is uncrowned, it will do harm to the function of the pump and it will weaken the taking water ability of the pump.



2: Connect outlet pipe

Use commercially available hose, pipe joint and pipe connecting hoop. A short pipe of by diameter does best, long pipe of small diameter add to flowing resistance and reduce the output rate of the pump.

Note: Fix the pipe connecting hoop well, in case the outlet pipe comes uncrowned under the high pressure.



3: Check oil lever

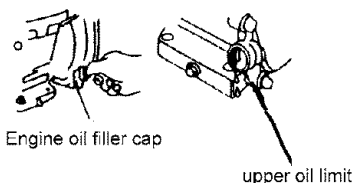
Caution:

● Engine oil is one of the main factors which influence the function and the using life of the generator. Do not recommend to use dirty engine oil.

● check the oil lever when the generator stops and make sure that the generator in the horizontal position. Use the QIANJIAND 4-stroke , or an equivalent high detergent, premium quality motor oil certified to meet or exceed U.S automobile manufacturer' s requirements for service classification SG,SF. Motor oil s classified SG,SF will show this designation on the container. Select the appropriate viscosity for the average temperature in your area.

Caution:

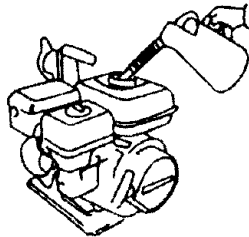
Running the engine with low oil lever will cause serious engine damage.



4: Check the fuel level Remove the fuel tank cap and check the fuel level.

If the fuel is low, please add fuel.

Never use an oil gasoline mixture or dirty gasoline. Avoid getting dirt, dust or water in the fuel tank.



5: Check the air cleaner elements Remove the screw, cushion and air cleaner cover. Check the air cleaner element for dirt or obstruction, clean the air cleaner element, if it is dirty (see page 14)

Caution:

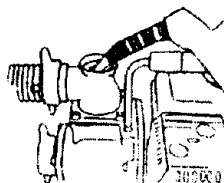
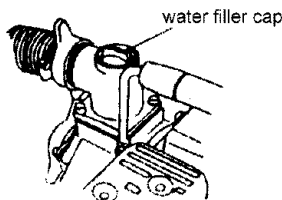
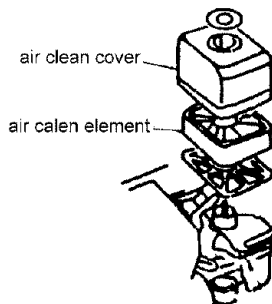
Never run the engine without the air cleaner.

6: Check whether the pump is filled with water

The pump must completely filled with water before it runs.

Caution:

Do not try to run the pump before filled it with water, otherwise it will become too hot. The long time running with no water of the pump will harm. If there is no water in the pump, stop the generator immediately and filled the pump with water when it cools off.



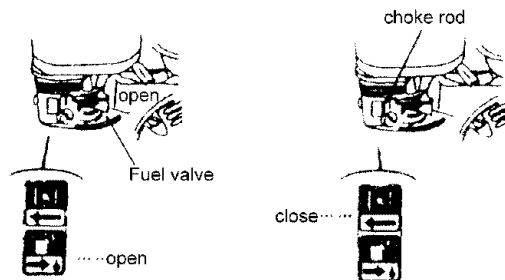
(V) STARTING THE ENGINE

1: Turn the fuel cock lever to “ON” .

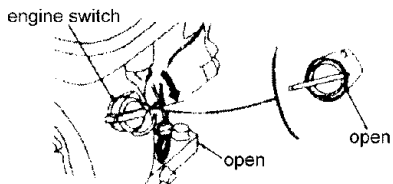
2: Turn off the choke rod.

Note:

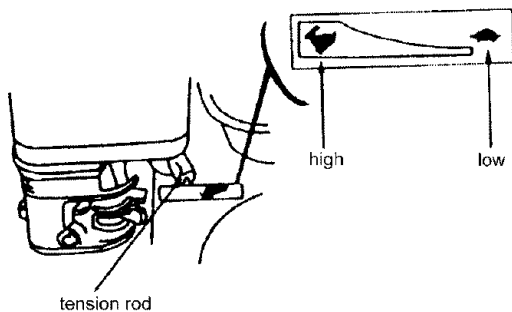
If the choke lever has been moved to the CLOSED position to start the engine, gradually move it to the OPEN position as the engine warms up.



3: Turn the engine switch to “ON”



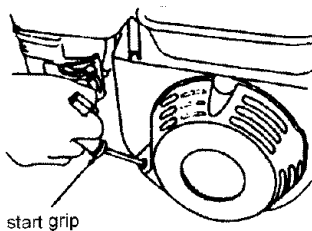
4: Move the tension rod to the left.



5: Pull slowly on the recoil starter until it is engaged, then pull it briskly.

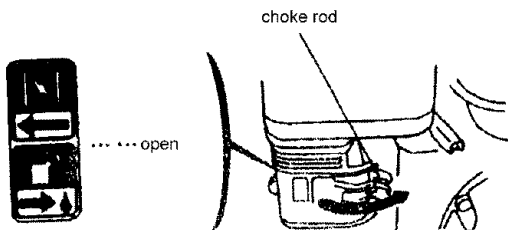
Warning:

Do not allow the starter grip to snap back against the engine. Return it gently to prevent damage to the starter.

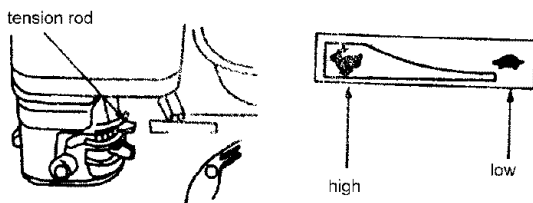


(VI) USING METHOD OF WATER PUMP

1: After engine running some minutes, please turn the choke rod to "ON" position.



2: Turn up the tension rod properly so the pump sucks water to pump body quickly.

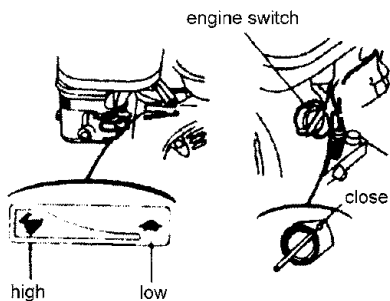


3: When it is on stable running, adjust the tension rod to keep the machine at proper rotate speed to decrease the fuel consumption.

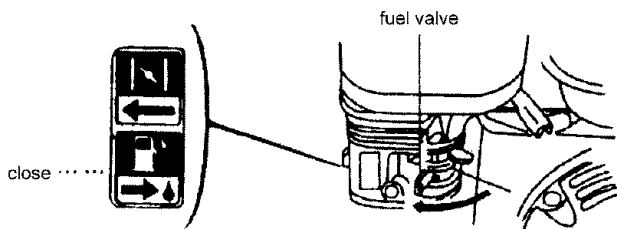
4. After using the pump, remove the water drain plug and drain the water in pump body.

(VII) STOPPING THE ENGINE

- 1: Remove the tention rod to the right.
- 2: Turn the engine switch to “OFF” position.



- 3: Turn the fuel cock lever to “OFF” position.



(VIII) PERIODIC MAINTENANCE

Periodic inspection and adjustment of petrol engine/water-pump are essential if high level performance is to be maintained. Regular maintenance will also help to extend service life.

Maintenance schedule

REGULAR SERVICE PERIOD ITEM	Before each use	First month or 20 hours	Every 3 months or 50 hours	Every 6 months or 100 hours	Every year or 300 hours
Engine oil check	O				
Engine oil clean		O		O	
Air cleaner check	O				
Air cleaner clean					
Spark plug			O		
Fuel line	Every 2 years				
Check impeller					O
Pump cap					O

Note: Service the air cleaner more frequently when used in dusty areas.

1: Engine oil change

Drain the oil while the engine is still warm to assure rapid and complete draining.

A: Remove the oil filler cap and drain the oil container by tipping the engine toward the oil filler neck.

B: Install the oil drain plug and screw in.

C: refill with the recommend oil(see page 6) and check the oil level.

ENGINE OIL CAPACITY: 0.6L

Wash your hands with soap and water after handing used oil.

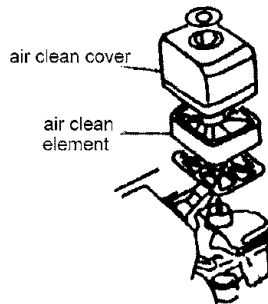
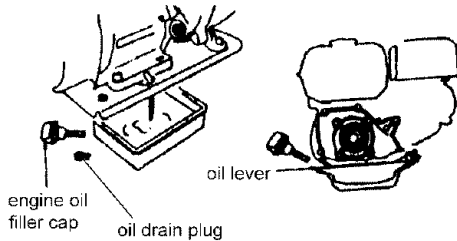
Note:

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

2: Air cleaner service

A dirty air cleaner will restrict air flow to the carburetor.

To prevent carburetor malfunction, service the air cleaner regularly. Service more frequently when operating the water-pump/petrol engine in extremely dusty areas.



Warning:

Never use gasoline or low flash point solvents for leaning the air cleaner element. A fire or explosion could result.

Caution:

Never run the engine without the air cleaner. Rapid engine wear will result.

A: Remove the air cleaner cover and the air cleaner element.

B: Wash the element in a nonflammable or high flash point solvent and dry it thoroughly.

C: Soak the element in clean engine oil and squeeze out the excess oil.

D: Reinstall the air cleaner element and the air cleaner cover.

3: Spark plug serve

Recommended spark plug: NHSP LD F6RTC

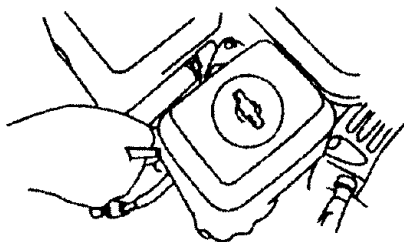
To ensure proper engine operation, the spark plug must be properly gapped and free of deposits.

A: Remove the spark plug cap.

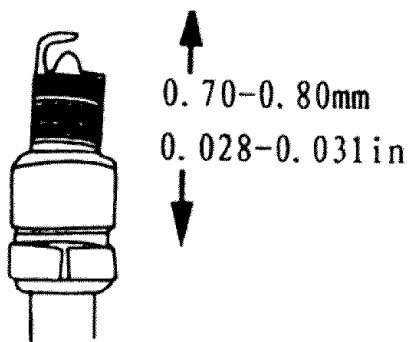
Warning:

If the engine has been running, the muffler will be very hot, be careful not to touch the muffler.

B: Visually inspect the spark plug. Discard it if there is apparent wear or the insulator is cracked or chipped.



Clean the spark plug with a wire brush if it is to be reused.



C: Measure the plug gap with a feeler gauge.
Correct as necessary by carefully bending the side electrode.

The gap should be 0.70-0.80mm

D: Check that the spark plug washer is in good condition and thread the spark plug in by hand to prevent cross-threading.

Note:

After a new spark plug has been seated by hand, it should be tightened 1/2 turn with a wrench to compress its washer. If a used plug is being reinstalled, it should only require 1/2 to 1/4 turn after being seated.

Caution:

The spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the engine.

(IX) TRANSPORT/STORAGE

Warning:

- To prevent burning or fire, cool the machine before transport or store in room.
- While transport the machine, make sure the fuel valve in the “OFF” position, and place it in the horizontal in order to prevent gasoline spill out, spilled fuel or fuel vapor may ignite.

Before store the water pump for a long time:

1: clean the inside of water pump.....

If water pump is used to pump water contain mud, sand or heavy fragment, it will be have the sediment inside the water pump.

After clean it, remove water drain plug, in order to drain out water, then install the water drain plug.

2: Drain the fuel

a: Turn the fuel cock lever to “OFF”. Remove the fuel drain screw on the carburetor, and drain the fuel into the container.

B: Turn the fuel cock lever to “ON”, drain the fuel in fuel tank.

C: Reinstall the fuel drain screw on the carburetor.

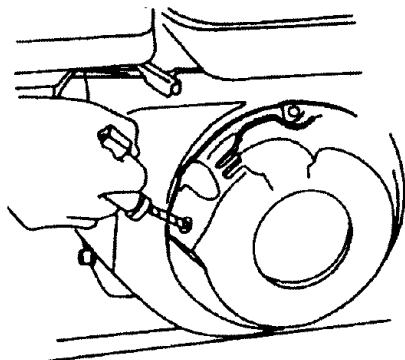
4: Recharge the oil in the engine.

5: Remove the spark plug and pour about a tableapoon of clean engine oil into the cylinder. Crank the engine

several revolutions to distribute the oil, then
reinstall the spark plug.

6: pull the starter grip slowly until resistance is felt.

7: Cover the water pump to keep out dust.



(X) TROUBLESHOOTING

Engine won't start

- 1: Is there fuel in the fuel tank?
- 2: Is the fuel valve in the "on" position?
- 3: Is gasoline reaching the carburetor?
- 4: Is the engine switch in the ON position?
- 5: Is there oil in the crankcase?
- 6: Is there a spark at spark plug?

A: Remove the spark plug cap. Clean any dirt from around the spark plug base, then remove the spark plug.

B: Install the spark plug in the plug cap.

C: Turn the engine switch ON.

D: Grounding the side electrode to the cooling fin below the spark plug hole, pull the recoil starter to see if sparks jump across the gap.

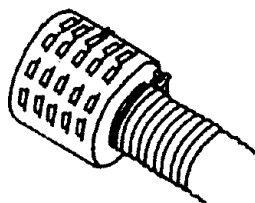
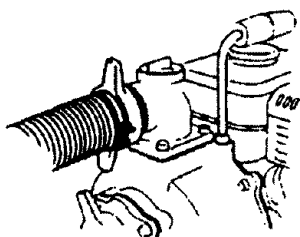
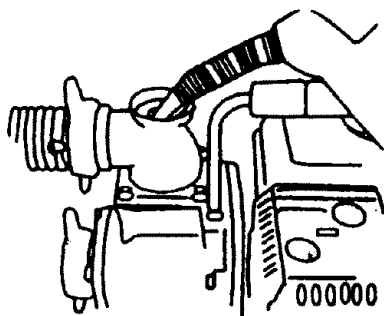
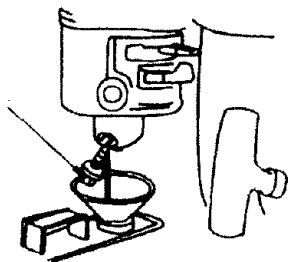
E: If there is no spark, replace the spark plug.

If OK, reinstall the spark plug and try to start the engine according to the instructions.

- 7: If the engine still does not start, consult dealer.

Water pump won't pump water

- 1: Is there enough water in the water pump?
- 2: Is there any dirt block the filter?
- 3: Is pipe connect hoop install secure?
- 4: Is the water pipe damage?
- 5: Is suction distance too high?
- 6: If water pump does not pump water, please consult dealer



(XI) SPECIFICATION

Model	6101W
Overall Length	490mm
Overall Width	380mm
Overall Height	390mm
Dry Weight	26Kg

ENGINE

Type	4-Stroke,Overhead valve,1cylinder
Bore × Stroke	68 × 45mm
Rate Power	4.1Kw/3600rpm
Max. Torque	11N.m/2500rpm
Cooling system	Force air
Ignition system	TCI
Output shaft rotate direction	Against clock (from output shaft)
Noise lever(side of muffler)	82dBA

WATER PUMP

Intake pipe diameter	50mm(2.0in)
Outlet pipe diameter	50mm(2.0in)
Rotate speed	3600rpm
Max. suction Head	8m (26ft.)
In succession working hours	2.8 hours
Flux	36m ³ /h (160GPM)

