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Gemaakt in CHINA door / Fabricado en CHINA por / Prodotto in CINA da /
Fabricado na CHINA por / Vyrobené v ČINE od / Vyrobené v ČINE od /
Wyprodukowane w CHINACH przez: **Varan Motors**



Imported by / Importé par / Importiert durch / Geïmporteerd door / Importado
por / Importato da / Importado por / Importované spoločnosťou / Dovezeno
spoločností / Importowane przez:

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OWNER'S INSTRUCTION
MANUAL
WATER PUMP
WB10CX



I. Preface.

Thank you for your purchase and use of our products. In order to use this water pump correctly and safely, please read this instruction carefully before using.

II. Notes on safety

1. Don't operate the machine in the room, and pay attention to avoid breathing the exhaust. If really need to work in the room, make sure the air is flowing.
2. The engine of the machine is 2-stroke gasoline engine, the fuel must be mixture of 90# ordinary gasoline and 2-stroke purpose machine oil. The mixing ratio shall be correct, and at the first 20 hours, volume of 90# ordinary gasoline : volume of 2-stroke purpose machine oil=20:1, and then change into 25:1.
3. For the fuel is a very inflammable liquid, the place of the fuel's storage need to be 1m far away from the machine, when adding the fuel or engine is operating, don't smoke and fire. If there is fuel falling over or overflowing, wipe it with dry cloth quickly.

III. Notes before operating

1. Make sure there are no loose screws or bolts and other problems which might interfere with safe operation.
2. Keep the machine clean, especially on the safety cover, fuel box and air filter, make sure there is no miscellaneous articles or objects around them.
3. The machine need to lay on the level and sturdy ground.

IV. Using

1. Connect the Inlet tube and outlet tube to the machine, then put the inlet tube's filter net under the water about 1m
2. Take off the water stopper, fill full with water and then screw the stopper tightly.
3. Press the primer pump several times with finger until oil pipe full of fuel. Pull the air shutter switch to the closed position, then start the engine, if the engine just stopped and still stay heat condition, pull the switch to the open position, then start the engine.
4. Before stopping the engine, first release the throttle trigger and return it to the idling position, second press the stop switch to close the machine.

TROUBLE SHOOTING

ENGINE WILL NOT START



CHECK FUEL

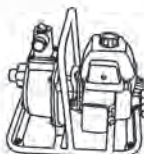


CHECK SPARK, REMOVE PLUG

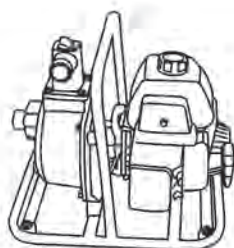


ENGINE SWITCH ON

CHECK SPARK



MAINTENANCE

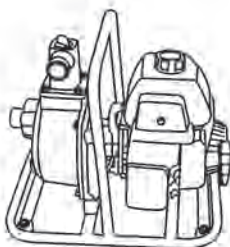


AIR CLEANER



WASH DRY

SOAK SQUEEZE



5. Take off the Inlet tube and Outlet tube, store them after drying. Screw off the water stopper, empty the water pump, if don't use the machine again in the 12 hours, empty the oil box.
6. Clean the machine. Make sure there are no loose screws or bolts and other problems which might interfere with safe operation.

V. Maintenance

1. Spark plug: Take off the spark plug and clean it, adjust the space between the electrodes(0.5—0.6mm) after every 25 hours' working.
2. Air filter: After 15 hours' working, dismantle it and use the gasoline to clean it thoroughly, then dry and reinstall it.
3. Carburetor: After every 100 hours' working, dismantle it and use the gasoline to clean it thoroughly, then dry and reinstall it.
4. No use for long time: When the machine is cool off, let the fuel go out and press the primer pump so the fuel remaining in the pump goes back to the oil tank, at last, empty the oil tank. Take off the spark plug, and drop the oil into the hole. Pull the starter so the oil covers the inner well, put the spark plug back. Clean outside parts, check the machine's parts, repair, change and adjust the parts according to the specific condition.

VI. Problem solving

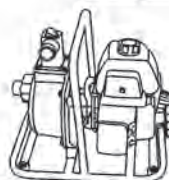
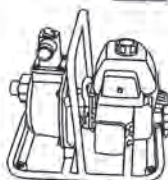
Problem	Difference		Cause	Correction
Starting problem	Lighting a fire without a spark	spark plug	The electrodes are damped	drying
			The deposited carbon in the electrodes of the spark plug	cleaning
			The rimous insulator of the electrode or insulate bad	replacing
			Space between electrodes is too small or too large	adjust it to 0.5-0.6mm
			The electrodes are overheated	replacing
	Lighting a fire with a spark	Good compression	High density of the fuel	adjusting carburetor
			Bad quality of the fuel	use better fuel
		Bad compression	The casing, piston and the piston ring have been badly worn and torn	replacing
			Lack of the fuel	Fill the fuel
		Carburetor fail to supply the fuel	Measure hole jammed	clearing
			Clearrer-net jammed	clearing
			Fasteners' loosing	reinforcing

Problem	Difference	Cause	Correction
Power lacking	Good compression but fail to burn	Air goes into the seam of the fuel pump	Reinforcing the screw
		Air goes into the carburetor	Changing the seal or reinforcing
		Water mixed into the fuel	Use good fuel
		Burn smell in the piston	Clean every components carefully
		Surround with carbon	Decompounding and clearing
	Overheated	Low density of the fuel	Adjust the carburetor
		dusts on the fan guard and the cylinder fin	Clearing
	Having the tendency to have noise	Quality of the fuel is not good	Change with good fuel
		Carbon in the fuel room	Clearing
	Others	Air-cleaner is blocked	Clean the block
		Overload	Limit the load
Stopping during working	Stop abruptly when working	piston sintering	Use a file to clean the piston and casing, the damaged ring should be changed
		Short circuit of the electrode due to the carbon	Cleaning
		Problems of the inner part of the magneto electric	dismantle and inspect it
		Sparking cap jumps out	Embed it as before
	Stop with running speed descend	lacking fuel	Fill the fuel
		Blocking in the inner part of the carburetor	Inspection and clearing
		Water mixed into the fuel	empty it and refill the fuel
Stopping hardship	Itself of gasoline engine	Overheat of casing and piston, spontaneous combustion	Clearing carbon of casing and piston
	Others	Heating top of the spark plug	Clearing electrode and adjusting gap 0.5-0.6mm
		Dropping connecting wire	Connect

MAINTENANCE

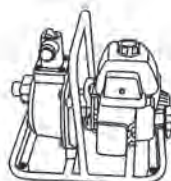


CHECK OIL
EVERY MORNING



TC grade
2 stroke
machine oil

Use an TC grade 2-stroke
machine oil/gasoline mixture(1:25)

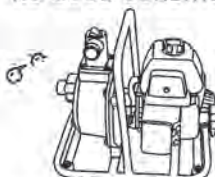


FILL 0.8ℓ

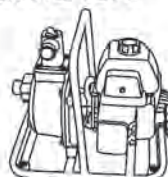
SPARK PLUG



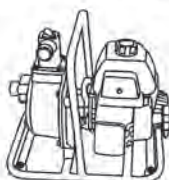
NO GOOD CONDITION



REMOVE PLUG



GOOD CONDITION



CLEAN



START ENGINE

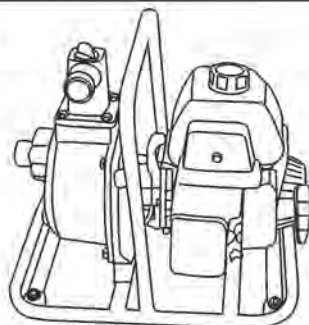
- 1** ON (FLAMEOUT SWITCH)



- 2** CLOSE (CHOKE)

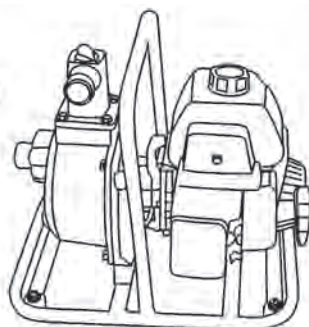


- 3** PULL (STARTER GRIP)



STOP ENGINE

- 1** OFF (FLAMEOUT SWITCH)



Problem	Difference	Cause	Correction
No water out	leading water	no or no enough leading water	Add enough leading water
	inlet filter net	inlet filter net jammed	Cleaning
		Inlet filter net less than 1m deep in water	Let the Inlet filter net under water 1m
	Airtight	Air leak for the inlet tube	check the inlet tube
	Over the suction height	machine lay higher than suction head	Lay the machine under its suction height
No enough pressure	inlet filter net	inlet filter net jammed	Cleaning
		Inlet filter net less than 1m deep in water	Let the Inlet filter net under water 1m
	Engine	Rotation speed change	Rejust the rotation speed
		engine	check the engine
	pump lift	Over pump lift	low the outlet position

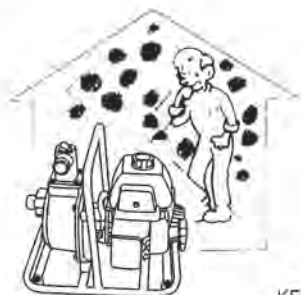
VII. Water pump specification

Model	WB10CX				
Water pump	Inlet/Outlet tube inner Dia.	25.4mm(1inch)			
	Pump Lift	26m	30m	35m	30m
	Suction Height	8m	8m	8m	8m
	Max. Pump Output	8m3/h	8m3/h	15m3/h	8m3/h
Engine	Engine Model	1E32F	1E36F-2	1E40F-5	1E40F-6
	Type	Air-cooled 2-stroke OHV single-cylinder			
	Displacement	25.4CC	32.6CC	42.7CC	40.2CC
	Start Mode	Recoil and hand operated			
Packing	L*W*H	365*320*340mm			
	Net Weight	6kgs	7.5kgs	11kgs	8.1kgs

SAFETY

BE CAREFUL!

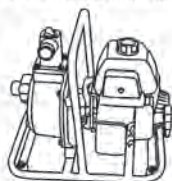
NO USE IN HOUSE!



NO USE IN WET CONDITION!



KEEP IN FLAMMABLE AWAY!

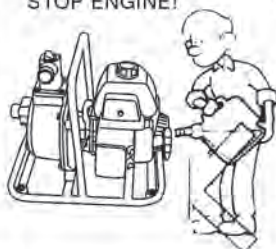


MORE THAN 3FT (1m).

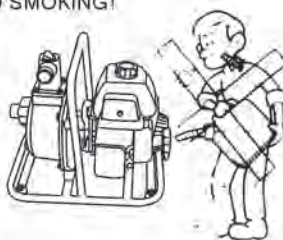


WHEN REFUELING:

STOP ENGINE!



NO SMOKING!



DO NOT SPILL!



USE WATER PUMP

WARNING!

PLEASE POUR PRIMING WATER FULLY BEFORE RUNNING!

