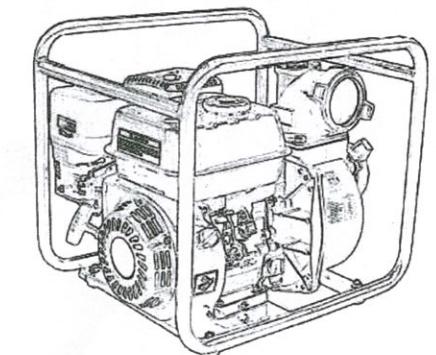
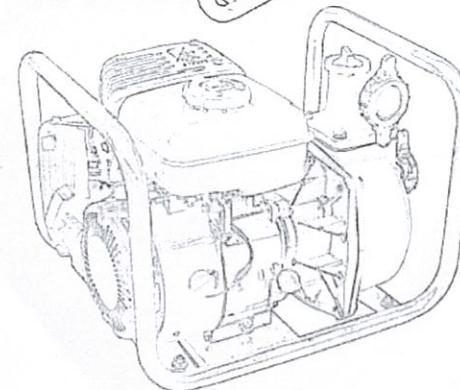
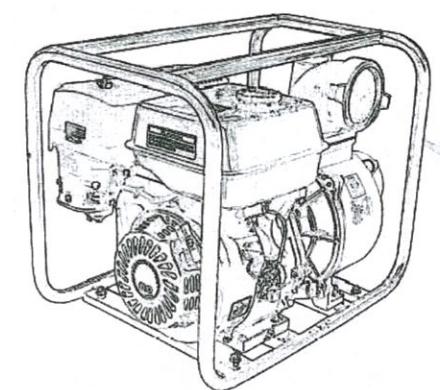
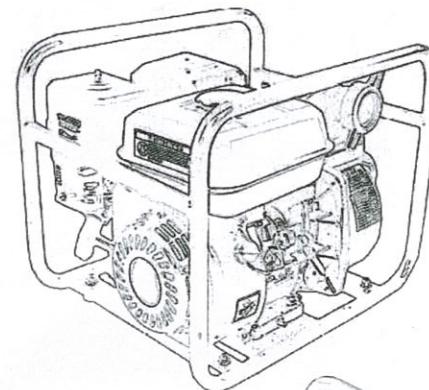




## **WATER PUMP SERIES**



**OWNER'S MANUAL**

## PREFACE

Thank you for choosing a water pump set of our company.

Based on the latest technology domestic and abroad, our Co. has individually developed the water pump set. The unit is characterized by advanced design, compact structure, great power, convenient service, low fuel consumption and noise. They are widely used as ideal equipment in many fields such as agriculture, gardening, building industry, etc.

The manual gives information with respect to operation and maintenance of the water pump set, and be sure to read it carefully first before operating. All the materials and diagrams laid down in this manual are in accordance with the newest products at the publishing time. Due to revision and other change, the information described in this manual may be a little different from the actual status. The copyright of this manual belongs to our company, any group or individual is forbidden to reprint or copy it. The manual is subject to change without notice.

## **+IMPORTANT NOTICES**

Please pay special attention to statements preceded by the following words:

**WARNING:**

*A warning is used to warn users the fact that hazardous operating and maintenance procedures may result in injury or death if not strictly observed.*

**CAUTION:**

*A caution is used to warn users the fact that hazardous operation and maintenance procedures may result in injury to or death if not strictly observed.*

**NOTE:**

*Give helpful information.*

This manual is filled with important safety information — please read it carefully.

This manual should be considered as a permanent part of the water pump set and should remain with the water pump set when resold.

## **CONTENTS**

1. Safety General Rules.....
2. Parts Description.....
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7. Starting up in plateau regions.....
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9. Troubleshooting.....
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## 1. SAFETY GENERAL RULES

*Before operating, read the manual carefully and be sure to become familiar with it, otherwise personal injury or death as well as severe parts damage may occur.*

- Before operating, perform the pre-operation inspection to make your operation on the water pump safer.
- For the sake of safety, it is forbidden to pump inflammable or corrosive liquids (such as gasoline or acid). Similarly, be sure not to pump corrosives such as seawater, chemical solution, alkaline liquids.
- Locate the water pump on a firm and level ground. A sloped or overturned water pump may result in the spill of fuel.
- Operate a water pump in a well-ventilated place without fire resources and keep it at least one meter from other devices.
- Because of touching hot parts of engine may get severe burn when operating the water pump, keep children and pets far away from the operating site.
- Master the method to stop the water pump quickly; learn manipulating control devices. Using the water pump without following the instructions in the manual is forbidden.

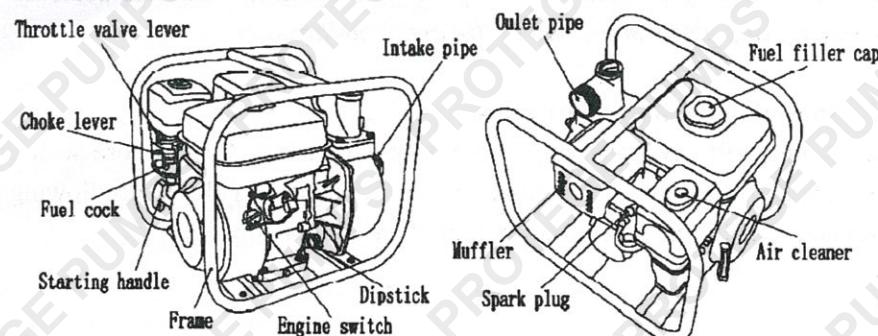
### WARNING

- *Gasoline is extremely inflammable and explosive in certain conditions.*
- *Filling gasoline in a well-ventilated place with engine stalled. In gasoline filling and storage sites, be sure there are no smoking and fire resources such as flame, fire spark and so on.*
- *Do not spill gasoline out of the fuel tank. After filling, make sure to tighten the fuel filler cap.*

• *Avoid spilling gasoline out while filling it, for spilled gasoline and gasoline vapour is prone to ignite. Once gasoline is spilled out, make sure to wipe it up before operation.*

• *Don't run the engine in an enclosed room and poor-ventilated place, since exhaust emission from the engine contain toxic carbon monoxide(CO), which may make people lose consciousness, even lead to death.*

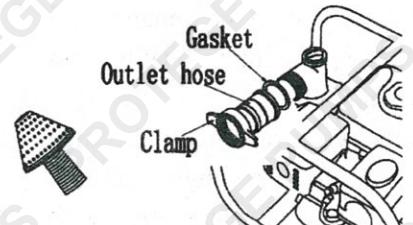
## 2. PARTS DESCRIPTION



## 3. PRE-OPERATION PREPARATION

### 3.1 Connecting water inlet pipe

Use commercially available hose, hose joint and clamp. The water inlet hose must be of continuous structure and be unfolded. The length of the hose should be as the same as or not more than that required. The greater the effect of suction is the shorter the distance from the water surface is. Suction time varies with the length of the water inlet hose in direct ratio. The filter matching with the water pump should be mounted to the end of the water inlet hose with a hose clamp.



## CAUTION

- Before pumping, install the filter securely to the end of the water inlet hose. The filter filtrates any impurity that may produce passage jam to damage impellers.
- Be sure to install the hose joint and clamp well so as to prevent from air leaks and pumping performance drop; loose water inlet hose will decrease the water pump performance and self-suction ability.

### 3.2 Connecting the water outlet hose

Use commercially available hose, hose joint and clamp. A short hose with a big diameter is the best. A long hose with small diameter will increase flowing resistance and decrease the power output of the water pump.

## NOTE

*Tighten the hose clamp to avoid falling off under high pressure.*

### 3.3 Engine Oil level check

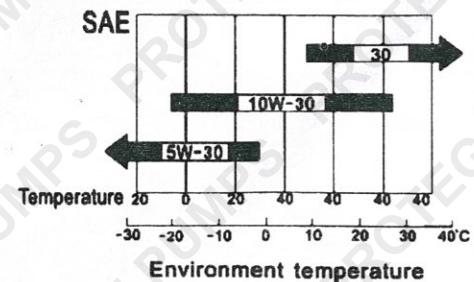
## CAUTION

- The quality of the engine oil is one of the key factors in deciding engine performance and service. Don't apply filthy engine oil or vegetable oil.

- Be sure to check engine oil level with the engine stalled and stand vertically on level ground.

Use 4-stroke gasoline engine oil engine oil equivalent in quality with SF, SG from API.

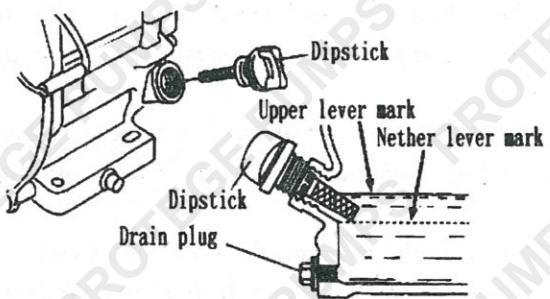
Oil velocity varies with average temperature, so select engine oil with proper velocity in accordance with your region temperature.



## ENGINE OIL ALARM SYSTEM

The engine oil alarm system is intended to avoid engine damage due to too less engine oil in the crankcase.

Before the engine oil level in the crankcase drops down below the safety line, the alarm system will stall the engine automatically (while the engine switch keeps at ON).



If the engine stops and cannot restart, check the engine oil level first and then others.

Remove the engine oil dipstick and wipe it cleanly; insert the dipstick into engine oil filler hole without screwing it in, and then take out to check the engine oil level; if the engine oil level is too low, fill specified engine oil up to the top of the filler hole.

## CAUTION

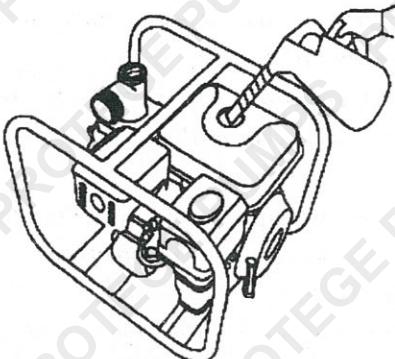
*Runs with insufficient engine oil can damage the engine severely.*

### 3.4 Check fuel level

Remove the fuel tank cap and check the fuel level. If the fuel level is too low, refuel more.

Only use specified gasoline in the manual (Recommend to use unleaded gasoline).

Do not use the combination of engine oil and gasoline or filthy gasoline. Avoid dirt, dust and water into the fuel tank.



## **WARNING •**

**Gasoline is extremely inflammable and explosive in certain conditions.**

- Refueling in a well-ventilated area with the engine stalled. In places refueling or fuel storage, no smoking, flames and spark. •**

**Do not spill fuel out of the fuel tank (no gasoline in fuel filler neck), after refueling, make sure to mount the fuel tank cap securely. •**

**When refueling, be careful not to spill gasoline. Spilled gasoline and gasoline vapor may ignite. If there is spilled gasoline, be sure to wipe it dry before starting the engine.**

- Avoid repeated or sustained breathing and touch with skin.**

- Keep out of reach of children.**

### **3.5 Air cleaner filter element check**

Dismantle the thumbnut, washer and air cleaner cover.

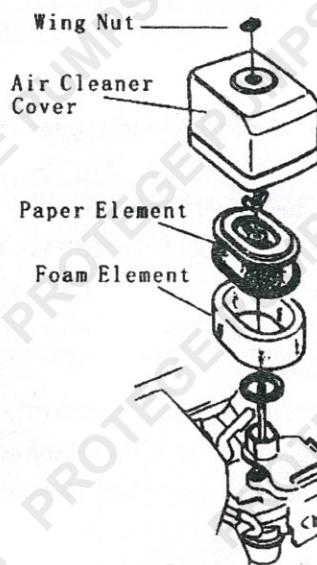
Check the filter element, if too filthy or clogged, clean it.

#### **CAUTION**

**Do not run the engine without the air cleaner installed**

**Otherwise, dirt, dust and such things will be inhaled into the engine**

**Through the carburetor, it results in premature wear of the engine**



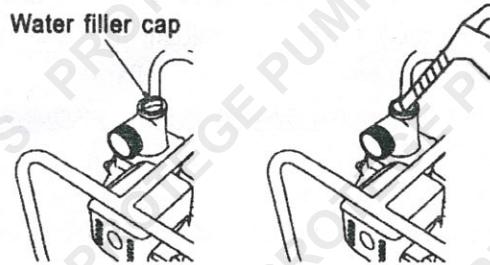
### **3.6 Water capacity check in the pump**

Before operating the pump, make sure to fill the pump with enough water.

#### **CAUTION**

**Do not try to run the engine without water inside, otherwise the pump will**

**become overheated. Prolonged running of the pump without water will damage the pump gasket. If the water in the pump is used out, stall the engine at once and fill the pump once it cools down.**



## **4. OPERATION**

### **4.1 Before operation**

For your safety and to maximize the service life of your equipment, it is very important to take a few moments before you operate the pump to check its condition. Be sure to take care of any problem you find, or have your servicing dealer correct it, before you operate the pump.

First, move the machine to a ground, not inside.

Before beginning your preparation checks, be sure the pump is on a level surface and the engine switch is in the OFF position.

To prevent fire hazards, keep the pump at least 1 meter (3 feet) away from building walls and other equipment during operation. Do not place flammable objects close to the engine.

Exhaust gas contains poisonous carbon monoxide. Avoid inhalation of exhaust gas. Never run the engine in a closed garage or confined area.

#### **CAUTION**

**Improperly maintaining this pump, or failing to correct a problem before operation, could cause a malfunction in which you could be seriously injured.**

**Always perform a preparation inspection before each operation, and correct any problem.**

#### **4.1.1 Check the Condition of the Pump**

Look for signs of damage.

Look around and underneath the pump for signs of oil or gasoline leaks.

Remove any excessive dirt or debris, especially around the engine muffler, and recoil starter.

#### 4.1.2 Check the Suction and discharge Hoses

Check the general condition of the hose. Be sure the hoses are in serviceable condition before connecting them to the pump. Remember that the suction hose must be reinforced construction to prevent hose collapse.

Check that the sealing washer in the suction hose connector is in good condition.

Check that the hose connectors and clamps are securely installed.

Check that the filter is in good condition and is installed on the suction hose.

#### 4.1.3 Check the engine

Check the oil level. To avoid the inconvenience of an unexpected shutdown by the engine oil alarm system, always check the engine oil level before startup.

Check the air cleaner. A dirty air cleaner will restrict air flow to the carburetor, reducing engine and pump performance.

Check the fuel level. Starting with a full tank will help to eliminate or reduce operation interruptions for refueling.

### 4.2 Starting the Engine

#### 4.2.1 Prime the pump.

#### 4.2.2 Move the fuel cock to the **ON** position.

#### 4.2.3 To start a cold engine, move the choke level to the

**CLOSED** position. To restart a warm engine, leave the choke level in the **OPEN** position.

#### 4.2.4 Move the throttle valve level away from the **LOWER** position, about 1/3 of the way toward the **UPPER** position.

#### 4.2.5 Turn the engine switch to the **ON** position.

4.2.6 Pull the starter handle lightly until resistance is felt, then pull it briskly. Do not allow the starter handle to snap back against the engine. Return it gently to prevent damage to the starter.

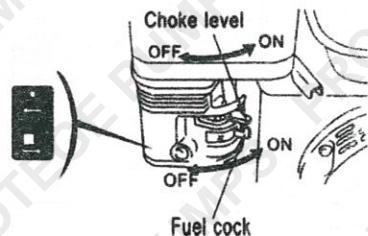
4.2.7 If the choke lever was moved to the **CLOSED** position to start the engine, gradually move it to the **OPEN** position as the engine warms up.

### 4.3 Setting Engine Speed

After starting the engine, move the throttle valve lever to the **UPPER** position for self-priming, and check pump output.

Pump output is controlled by adjusting engine speed.

Moving the throttle valve lever in the **UPPER** direction will increase pump output. And moving the throttle valve lever in the **LOWER** direction will decrease pump output.



## 5. STOPPING

To stop the engine in an emergency, simply turn the engine switch to the **OFF** position. Under normal conditions, use the following procedure.

5.1 Move the throttle valve lever to the **LOWER** position.

5.2 Turn the engine switch to the **OFF** position.

5.3 Turn the fuel cock to the **OFF** position.

After use, remove the water drain plug, and drain the pump chamber. Remove the water filler cap, and flush the pump chamber with clean, fresh water. Allow the water to drain from the pump chamber, then reinstall the water filler cap and water drain plug.

#### NOTE

*Stalling the engine in emergency, turn the engine switch to OFF position.*

## 6. MAINTENANCE

To keep the water pump at optimal performance, check and adjustment on it periodically is necessary. Regular maintenance and service may extend its service life obviously. The Maintenance Schedule below specifies how often you should have your water pump served, and what things need attention.

#### WARNING

*Before maintenance, stall the engine. If maintaining the engine when it runs, make sure to perform any check in a well - ventilated area. Exhaust emissions from the engine contains toxic carbon monoxide(CO), which may cause loss of consciousness and even life.*

## Maintenance Schedule

ITEM	STORAGE TIME		BEFORE USE	FIRST MONTH OR 20H	3 MONTH OR 20H	6 MONTH OR 100H	12 MONTH OR 300H
	level	o					
Engine oil	change					o	
	check	o					
Air cleaner	clean						
Spark plug				o			o
Valve clearance							o
Combustion				Every 500 H			
Spark eliminator				Every 100 H			
Fuel tube				Every 1 Year			
Impeller check							o
Water pump tank cover							o
Water inlet valve check							o

### NOTE

- (1)Using in extremely dusty area, it should be done more frequently.
- (2)It should be done by your dealer, unless you are equipped with proper repair tools, and are qualified mechanically.

### WARNING

Before maintenance and service, stall the engine. If you maintain when the engine runs, make sure to perform any check in a well-ventilated area. Exhaust emissions from the engine contains toxic carbon monoxide(CO), which may cause loss of consciousness and even life.

### 6.1 Engine Oil Replacement

A warm-up engine can assure quick oil draining.

- 1.Remove the dipstick and drain plug, and then drain the oil.
- 2.Fill specified fresh engine oil to oil.
- 3.Reinstall the dipstick and tighten it.

Once touch engine oil, clean your hands with soap in fresh water.

### NOTE

Handing discarded engine oil in accordance with relative environmental protection rules.

It's better for you to take it in a sealed container and take to local recycling station. Do not pour at will.

### 6.2 Air Cleaner Maintenance

A filthy air cleaner will decrease airflow quantity through the carburetor. To avoid troubles of the carburetor, clean the air cleaner regularly. In extremely dusty area, the job should be done more often.

### WARNING

Never clean the air cleaner in gasoline or low-flash point solvent, for gasoline and low-flash point solvent may produce flames and even an explosion in certain conditions.

### CAUTION

Never operate the water pump without the air cleaner installed. In the case that dirt and dust is sucked into the engine, the engine will wear out more quickly.

6.2.1 Drive off the thumbnut and dismantle the air cleaner cover and filter element.

6.2.2 Clean the filter element in high flash point solvent or cleansing solvent thoroughly, and then dry it up.

6.2.3 Soak the filter element in clear engine oil, and then squeeze out excessive oil.

6.2.4 Reinstall the removed parts well.

### 6.3 Spark Plug Maintenance

Recommended spark plug :LD F7TC.

To keep the engine in good condition, there must keep proper spark plug clearance and no accumulated carbon.

6.3.1 Dismantle the spark plug cap.

### WARNING

When the engine is running, the exhaust muffler is very hot, be careful not to get burns.

6.3.2 Check the spark plug with eyes. If there exists obvious wear sign around it or gasket is cracked, please replace with a new one. Before reinstall a spark plug, clean it first with a wire brush.

6.3.3 Measure spark plug clearance with a feeler gauge and adjust it by bending the side electrode. Spark plug clearance should be 0.70~0.80 mm.

6.3.4 Check that the spark plug gasket is in good condition, or replace with a new one. Drive it into the engine with a spark plug wrench to protect thread from being damaged.

**NOTE**

*Installing a new spark plug, after it touch and oppress the gasket, twist 1/2 more turns; as to a used one, twist 1/2~1/4 more turns.*

**CAUTION**

*Be sure to tighten the spark plug securely, otherwise it may become very hot and possibly damage the engine. Never use a spark plug with improper heat range.*

## 7. STARTING UP IN PLATEAU REGIONS

In plateau or regions with high altitude, standard carburetor produces over-dense combination of fuel and air, resulting in decreased engine performance and increased fuel consumption. To keep the engine with high performance, install a carburetor main spray nozzle and readjust the adjusting screw for idle speed. Using in plateau regions frequently with an altitude of over 1380 m, contact your dealer for replace the carburetor and make adjustment in advance. Even though a proper carburetor spray nozzle is installed in the engine, the power output of the engine will drop about 3.5% with every 305 m increase in altitude. If carburetor replacement and adjustment is not done, the “plateau-effect” will be more severe then that done.

**CAUTION**

*Use the water pump in regions with lower altitude than that the carburetor spray nozzle is applicable, the engine performance will decrease and become overheated, and over-thin combination of fuel and air produce may cause sever damage of the engine.*

## 8. TRANSPORTATION/STORAGE

**WARNING**

*To avoid a fire, make sure to allow at least 20 minutes to cool the water pump down before transportation or storage in room.*

*Transport the water pump with the fuel cock turned off, besides, keep it horizontal to prevent fuel from spilling. Spilled gasoline and gasoline vapour may ignite.*

8.1 Make sure the storage site for the water pump is dry and clean.

8.2 Clean the water pump inside.

If the water pump is used to pump water with mud, sand or heavy debris, deposit of such may remain inside it. Before storage, operate the water pump to suck into fresh water to wash, otherwise impeller may be damaged once reuse. Finishing wash, drive off the water drain plug, then empty the water in the water pump thoroughly, and reinstall the water drain plug.

8.3 Empty fuel inside the fuel tank.

**WARNING**

*Gasoline is extremely inflammable and explosive in certain conditions.*

a. Turn the fuel cock to OFF position, drive off the fuel drain plug of the carburetor floater room, drain out the fuel in the carburetor. Hold drained gasoline in proper container.

b. Turn the fuel cock to ON position.

c. Reinstall the fuel drain plug of the carburetor floater room.

8.4 Replace engine oil.

8.5 Dismantle the spark plug, and fill clean specified engine oil into the cylinder about one soupspoon. Turn the engine several times to distribute oil evenly and then reinstall the spark plug.

8.6 Pull the starter handle towards until feel anti-action, and then continue pulling until the triangle mark on the starter wheel lines up with the starter screw hole (see diagram below). In this location, both the air inlet and exhaust valves are closed, which may prevent the engine inside from rusting.

8.7 Cover the water pump to protect from dust.

## 9. TROUBLESHOOTING

### 9.1 Engine cannot start

Check according to the following:

9.1 Check if there is enough fuel;

9.2 Check if the fuel cock is turned on;

9.3 Check if the fuel enters the carburetor;

In the case that the fuel cock is turned on, check through dismantle the fuel drain plug at the bottom of the carburetor.

#### **WARNING**

*Gasoline is extremely inflammable and explosive in certain conditions.*

#### **WARNING**

*If fuel is spilled, be sure to wipe it dry before checking the spark plug and starting up the engine, otherwise spilled fuel or fuel vapor may ignite.*

4. Check if the engine switch is at **ON** position;

5. Check if there is enough engine oil the crankcase;

6. Check if there is spark plug spark;

a. Dismantle the spark plug cap. Clear away dirt around the spark plug, and then dismantle it.

b. Install the spark plug into the spark plug cap.

c. Turn the engine switch at **ON** position.

d. Earth the side electrode by touching the engine, pull the kick-starter to check if there is spark.

e. If no spark, please start the engine according to "Starting the Engine" in the manual.

7. If the engine still cannot start, contact your dealer for help.

#### **9.2 Water pump cannot pump**

Check according to the following:

1. Check if there is enough water;

2. Check if the filter is clogged;

3. Check if the hose clamp is tighten securely;

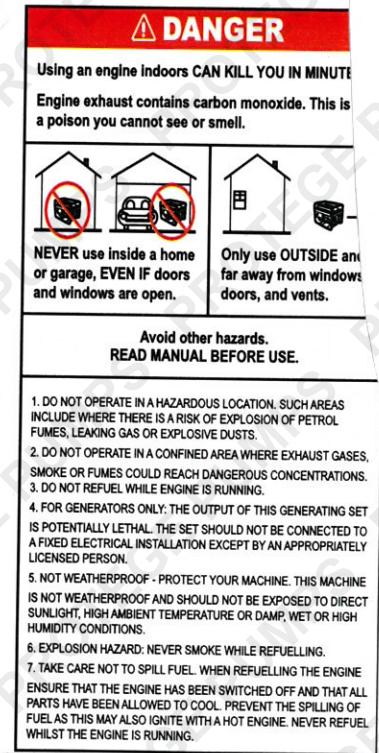
4. Check if the water hose is damaged;

5. Check if suction height required is too high;

6. If the water pump still cannot pump water, please contact your dealer for help.

## **10. SPECIFICATIONS**

Model		PTLPMP-154095	PTLPMP-205095	PTLPMP-225095	PTLPMP-308095	PTLPMP-310095	PTLPMP-311095	PTLPMP-312095	PTLPMP-313095	PTLPMP-314095	PTLPMP-315095	PTLPMP-316095	PTLPMP-317095	PTLPMP-318095	PTLPMP-319095	PTLPMP-320095	PTLPMP-321095	PTLPMP-322095	PTLPMP-323095	PTLPMP-324095	PTLPMP-325095	PTLPMP-326095	PTLPMP-327095	PTLPMP-328095	PTLPMP-329095	PTLPMP-330095	PTLPMP-331095	PTLPMP-332095	PTLPMP-333095	PTLPMP-334095	PTLPMP-335095	PTLPMP-336095	PTLPMP-337095	PTLPMP-338095	PTLPMP-339095	PTLPMP-340095	PTLPMP-341095	PTLPMP-342095	PTLPMP-343095	PTLPMP-344095	PTLPMP-345095	PTLPMP-346095	PTLPMP-347095	PTLPMP-348095	PTLPMP-349095	PTLPMP-350095	PTLPMP-351095	PTLPMP-352095	PTLPMP-353095	PTLPMP-354095	PTLPMP-355095	PTLPMP-356095	PTLPMP-357095	PTLPMP-358095	PTLPMP-359095	PTLPMP-360095	PTLPMP-361095	PTLPMP-362095	PTLPMP-363095	PTLPMP-364095	PTLPMP-365095	PTLPMP-366095	PTLPMP-367095	PTLPMP-368095	PTLPMP-369095	PTLPMP-370095	PTLPMP-371095	PTLPMP-372095	PTLPMP-373095	PTLPMP-374095	PTLPMP-375095	PTLPMP-376095	PTLPMP-377095	PTLPMP-378095	PTLPMP-379095	PTLPMP-380095	PTLPMP-381095	PTLPMP-382095	PTLPMP-383095	PTLPMP-384095	PTLPMP-385095	PTLPMP-386095	PTLPMP-387095	PTLPMP-388095	PTLPMP-389095	PTLPMP-390095	PTLPMP-391095	PTLPMP-392095	PTLPMP-393095	PTLPMP-394095	PTLPMP-395095	PTLPMP-396095	PTLPMP-397095	PTLPMP-398095	PTLPMP-399095	PTLPMP-400095	PTLPMP-401095	PTLPMP-402095	PTLPMP-403095	PTLPMP-404095	PTLPMP-405095	PTLPMP-406095	PTLPMP-407095	PTLPMP-408095	PTLPMP-409095	PTLPMP-410095	PTLPMP-411095	PTLPMP-412095	PTLPMP-413095	PTLPMP-414095	PTLPMP-415095	PTLPMP-416095	PTLPMP-417095	PTLPMP-418095	PTLPMP-419095	PTLPMP-420095	PTLPMP-421095	PTLPMP-422095	PTLPMP-423095	PTLPMP-424095	PTLPMP-425095	PTLPMP-426095	PTLPMP-427095	PTLPMP-428095	PTLPMP-429095	PTLPMP-430095	PTLPMP-431095	PTLPMP-432095	PTLPMP-433095	PTLPMP-434095	PTLPMP-435095	PTLPMP-436095	PTLPMP-437095	PTLPMP-438095	PTLPMP-439095	PTLPMP-440095	PTLPMP-441095	PTLPMP-442095	PTLPMP-443095	PTLPMP-444095	PTLPMP-445095	PTLPMP-446095	PTLPMP-447095	PTLPMP-448095	PTLPMP-449095	PTLPMP-450095	PTLPMP-451095	PTLPMP-452095	PTLPMP-453095	PTLPMP-454095	PTLPMP-455095	PTLPMP-456095	PTLPMP-457095	PTLPMP-458095	PTLPMP-459095	PTLPMP-460095	PTLPMP-461095	PTLPMP-462095	PTLPMP-463095	PTLPMP-464095	PTLPMP-465095	PTLPMP-466095	PTLPMP-467095	PTLPMP-468095	PTLPMP-469095	PTLPMP-470095	PTLPMP-471095	PTLPMP-472095	PTLPMP-473095	PTLPMP-474095	PTLPMP-475095	PTLPMP-476095	PTLPMP-477095	PTLPMP-478095	PTLPMP-479095	PTLPMP-480095	PTLPMP-481095	PTLPMP-482095	PTLPMP-483095	PTLPMP-484095	PTLPMP-485095	PTLPMP-486095	PTLPMP-487095	PTLPMP-488095	PTLPMP-489095	PTLPMP-490095	PTLPMP-491095	PTLPMP-492095	PTLPMP-493095	PTLPMP-494095	PTLPMP-495095	PTLPMP-496095	PTLPMP-497095	PTLPMP-498095	PTLPMP-499095	PTLPMP-500095	PTLPMP-501095	PTLPMP-502095	PTLPMP-503095	PTLPMP-504095	PTLPMP-505095	PTLPMP-506095	PTLPMP-507095	PTLPMP-508095	PTLPMP-509095	PTLPMP-510095	PTLPMP-511095	PTLPMP-512095	PTLPMP-513095	PTLPMP-514095	PTLPMP-515095	PTLPMP-516095	PTLPMP-517095	PTLPMP-518095	PTLPMP-519095	PTLPMP-520095	PTLPMP-521095	PTLPMP-522095	PTLPMP-523095	PTLPMP-524095	PTLPMP-525095	PTLPMP-526095	PTLPMP-527095	PTLPMP-528095	PTLPMP-529095	PTLPMP-530095	PTLPMP-531095	PTLPMP-532095	PTLPMP-533095	PTLPMP-534095	PTLPMP-535095	PTLPMP-536095	PTLPMP-537095	PTLPMP-538095	PTLPMP-539095	PTLPMP-540095	PTLPMP-541095	PTLPMP-542095	PTLPMP-543095	PTLPMP-544095	PTLPMP-545095	PTLPMP-546095	PTLPMP-547095	PTLPMP-548095	PTLPMP-549095	PTLPMP-550095	PTLPMP-551095	PTLPMP-552095	PTLPMP-553095	PTLPMP-554095	PTLPMP-555095	PTLPMP-556095	PTLPMP-557095	PTLPMP-558095	PTLPMP-559095	PTLPMP-560095	PTLPMP-561095	PTLPMP-562095	PTLPMP-563095	PTLPMP-564095	PTLPMP-565095	PTLPMP-566095	PTLPMP-567095	PTLPMP-568095	PTLPMP-569095	PTLPMP-570095	PTLPMP-571095	PTLPMP-572095	PTLPMP-573095	PTLPMP-574095	PTLPMP-575095	PTLPMP-576095	PTLPMP-577095	PTLPMP-578095	PTLPMP-579095	PTLPMP-580095	PTLPMP-581095	PTLPMP-582095	PTLPMP-583095	PTLPMP-584095	PTLPMP-585095	PTLPMP-586095	PTLPMP-587095	PTLPMP-588095	PTLPMP-589095	PTLPMP-590095	PTLPMP-591095	PTLPMP-592095	PTLPMP-593095	PTLPMP-594095	PTLPMP-595095	PTLPMP-596095	PTLPMP-597095	PTLPMP-598095	PTLPMP-599095	PTLPMP-600095	PTLPMP-601095	PTLPMP-602095	PTLPMP-603095	PTLPMP-604095	PTLPMP-605095	PTLPMP-606095	PTLPMP-607095	PTLPMP-608095	PTLPMP-609095	PTLPMP-610095	PTLPMP-611095	PTLPMP-612095	PTLPMP-613095	PTLPMP-614095	PTLPMP-615095	PTLPMP-616095	PTLPMP-617095	PTLPMP-618095	PTLPMP-619095	PTLPMP-620095	PTLPMP-621095	PTLPMP-622095	PTLPMP-623095	PTLPMP-624095	PTLPMP-625095	PTLPMP-626095	PTLPMP-627095	PTLPMP-628095	PTLPMP-629095	PTLPMP-630095	PTLPMP-631095	PTLPMP-632095	PTLPMP-633095	PTLPMP-634095	PTLPMP-635095	PTLPMP-636095	PTLPMP-637095	PTLPMP-638095	PTLPMP-639095	PTLPMP-640095	PTLPMP-641095	PTLPMP-642095	PTLPMP-643095	PTLPMP-644095	PTLPMP-645095	PTLPMP-646095	PTLPMP-647095	PTLPMP-648095	PTLPMP-649095	PTLPMP-650095	PTLPMP-651095	PTLPMP-652095	PTLPMP-653095	PTLPMP-654095	PTLPMP-655095	PTLPMP-656095	PTLPMP-657095	PTLPMP-658095	PTLPMP-659095	PTLPMP-660095	PTLPMP-661095	PTLPMP-662095	PTLPMP-663095	PTLPMP-664095	PTLPMP-665095	PTLPMP-666095	PTLPMP-667095	PTLPMP-668095	PTLPMP-669095	PTLPMP-670095	PTLPMP-671095	PTLPMP-672095	PTLPMP-673095	PTLPMP-674095	PTLPMP-675095	PTLPMP-676095	PTLPMP-677095	PTLPMP-678095	PTLPMP-679095	PTLPMP-680095	PTLPMP-681095	PTLPMP-682095	PTLPMP-683095	PTLPMP-684095	PTLPMP-685095	PTLPMP-686095	PTLPMP-687095	PTLPMP-688095	PTLPMP-689095	PTLPMP-690095	PTLPMP-691095	PTLPMP-692095	PTLPMP-693095	PTLPMP-694095	PTLPMP-695095	PTLPMP-696095	PTLPMP-697095	PTLPMP-698095	PTLPMP-699095	PTLPMP-700095	PTLPMP-701095	PTLPMP-702095	PTLPMP-703095	PTLPMP-704095	PTLPMP-705095	PTLPMP-706095	PTLPMP-707095	PTLPMP-708095	PTLPMP-709095	PTLPMP-710095	PTLPMP-711095	PTLPMP-712095	PTLPMP-713095	PTLPMP-714095	PTLPMP-715095	PTLPMP-716095	PTLPMP-717095	PTLPMP-718095	PTLPMP-719095	PTLPMP-720095	PTLPMP-721095	PTLPMP-722095	PTLPMP-723095	PTLPMP-724095	PTLPMP-725095	PTLPMP-726095	PTLPMP-727095	PTLPMP-728095	PTLPMP-729095	PTLPMP-730095	PTLPMP-731095	PTLPMP-732095	PTLPMP-733095	PTLPMP-734095	PTLPMP-735095	PTLPMP-736095	PTLPMP-737095	PTLPMP-738095	PTLPMP-739095	PTLPMP-740095	PTLPMP-741095	PTLPMP-742095	PTLPMP-743095	PTLPMP-744095	PTLPMP-745095	PTLPMP-746095	PTLPMP-747095	PTLPMP-748095	PTLPMP-749095	PTLPMP-750095	PTLPMP-751095	PTLPMP-752095	PTLPMP-753095	PTLPMP-754095	PTLPMP-755095	PTLPMP-756095	PTLPMP-757095	PTLPMP-758095	PTLPMP-759095	PTLPMP-760095	PTLPMP-761095	PTLPMP-762095	PTLPMP-763095	PTLPMP-764095	PTLPMP-765095	PTLPMP-766095	PTLPMP-767095	PTLPMP-768095	PTLPMP-769095	PTLPMP-770095	PTLPMP-771095	PTLPMP-772095	PTLPMP-773095	PTLPMP-774095	PTLPMP-775095	PTLPMP-776095	PTLPMP-777095	PTLPMP-778095	PTLPMP-779095	PTLPMP-780095	PTLPMP-781095	PTLPMP-782095	PTLPMP-783095	PTLPMP-784095	PTLPMP-785095	PTLPMP-786095	PTLPMP-787095	PTLPMP-788095	PTLPMP-789095	PTLPMP-790095	PTLPMP-791095	PTLPMP-792095	PTLPMP-793095	PTLPMP-794095	PTLPMP-795095	PTLPMP-796095	PTLPMP-797095	PTLPMP-798095	PTLPMP-799095	PTLPMP-800095	PTLPMP-801095	PTLPMP-802095	PTLPMP-803095	PTLPMP-804095	PTLPMP-805095	PTLPMP-806095	PTLPMP-807095	PTLPMP-808095	PTLPMP-809095	PTLPMP-810095	PTLPMP-811095	PTLPMP-812095	PTLPMP-813095	PTLPMP-814095	PTLPMP-815095	PTLPMP-816095	PTLPMP-817095	PTLPMP-818095	PTLPMP-819095	PTLPMP-820095	PTLPMP-821095	PTLPMP-822095	PTLPMP-823095	PTLPMP-824095	PTLPMP-825095	PTLPMP-826095	PTLPMP-827095	PTLPMP-828095	PTLPMP-829095	PTLPMP-830095	PTLPMP-831095	PTLPMP-832095	PTLPMP-833095	PTLPMP-834095	PTLPMP-835095	PTLPMP-836095	PTLPMP-837095	PTLPMP-838095	PTLPMP-839095	PTLPMP-840095	PTLPMP-841095	PTLPMP-842095	PTLPMP-843095	PTLPMP-844095	PTLPMP-845095	PTLPMP-846095	PTLPMP-847095	PTLPMP-848095	PTLPMP-849095	PTLPMP-850095	PTLPMP-851095	PTLPMP-852095	PTLPMP-853095	PTLPMP-854095	PTLPMP-855095	PTLPMP-856095	PTLPMP-857095	PTLPMP-858095	PTLPMP-859095	PTLPMP-860095	PTLPMP-861095	PTLPMP-862095	PTLPMP-863095	PTLPMP-864095	PTLPMP-865095	PTLPMP-866095	PTLPMP-867095	PTLPMP-868095	PTLPMP-869095	PTLPMP-870095	PTLPMP-871095	PTLPMP-872095	PTLPMP-873095	PTLPMP-874095	PTLPMP-875095	PTLPMP-876095	PTLPMP-877095	PTLPMP-878095	PTLPMP-879095	PTLPMP-880095	PTLPMP-881095	PTLPMP-882095	PTLPMP-883095	PTLPMP-884095	PTLPMP-885095	PTLPMP-886095	PTLPMP-887095	PTLPMP-888095	PTLPMP-889095	PTLPMP-890095	PTLPMP-891095	PTLPMP-892095	PTLPMP-893095	PTLPMP-894095	PTLPMP-895095	PTLPMP-896095	PTLPMP-897095	PTLPMP-898095	PTLPMP-899095	PTLPMP-900095	PTLPMP-901095	PTLPMP-902095	PTLPMP-903095	PTLPMP-904095	PTLPMP-905095	PTLPMP-906095	PTLPMP-907095	PTLPMP-908095	PTLPMP-909095	PTLPMP-910095	PTLPMP-911095	PTLPMP-912095	PTLPMP-913095	PTLPMP-914095	PTLPMP-915095	PTLPMP-916095	PTLPMP-917095	PTLPMP-918095	PTLPMP-919095	PTLPMP-920095	PTLPMP-921095	PTLPMP-922095	PTLPMP-923095	PTLPMP-924095	PTLPMP-925095	PTLPMP-926095	PTLPMP-927095	PTLPMP-928095	PTLPMP-929095	PTLPMP-930095	PTLPMP-931095	PTLPMP-932095	PTLPMP-933095	PTLPMP-934095	PTLPMP-935095	PTLPMP-936095	PTLPMP-937095	PTLPMP-938095	PTLPMP-939095	PTLPMP-940095	PTLPMP-941095	PTLPMP-942095	PTLPMP-943095	PTLPMP-944095	PTLPMP-945095	PTLPMP-946095	PTLPMP-947095	PTLPMP-948095	PTLPMP-949095	PTLPMP-950095	PTLPMP-951095	PTLPMP-952095	PTLPMP-953095	PTLPMP-954095	PTLPMP-955095	PTLPMP-956095	PTLPMP-957095	PTLPMP-958095	PTLPMP-959095	PTLPMP-960095	PTLPMP-961095	PTLPMP-962095	PTLPMP-963095	PTLPMP-964095	PTLPMP-965095	PTLPMP-966095	PTLPMP-967095	PTLPMP-968095	PTLPMP-9690





**Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.