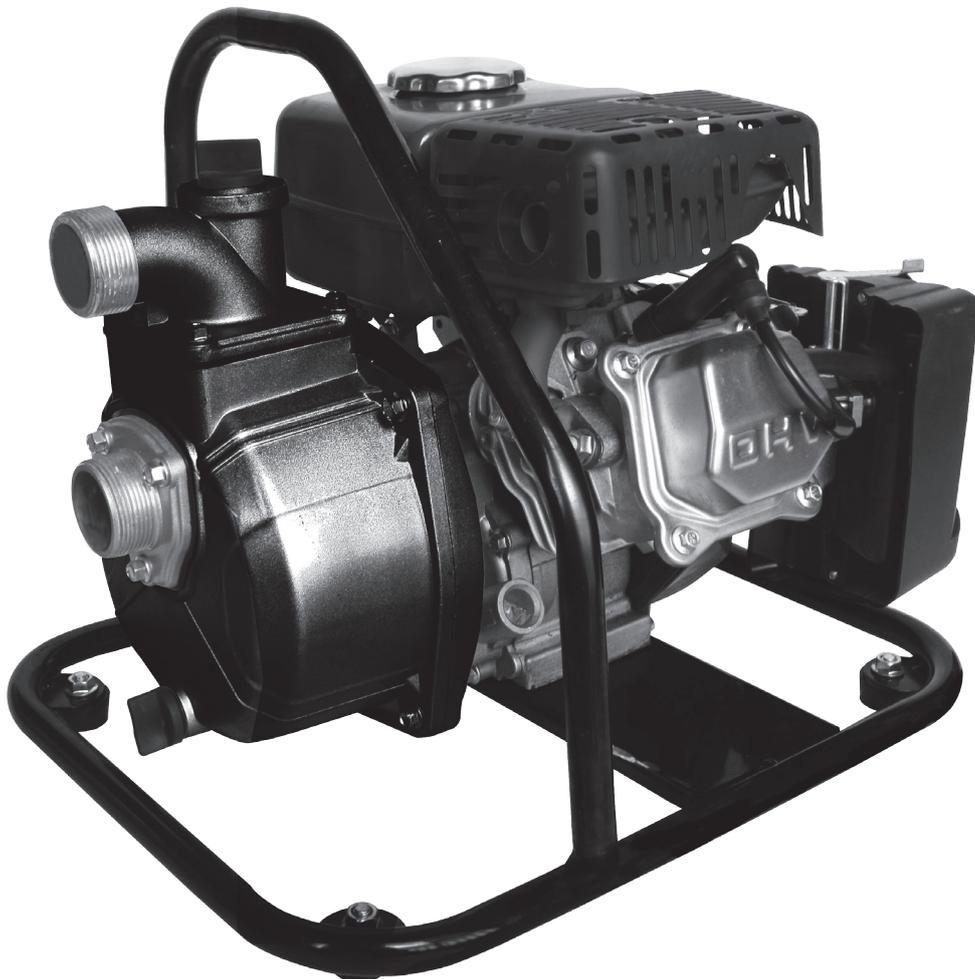




## **Petrol Engine Powered Pump Instruction Manual**



**BIA-WP15A - 804449**

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Thank you for purchasing this Bianco petrol water pump.

This instruction manual describes the installation, usage and maintenance of the water pump and provides important safety information. Keep your manual in a convenient place for quick reference. This manual should be considered as a permanent part of this water pump and should remain with the pump if it is sold.

Please take care of the information with following:

**DANGER:**

This indicates a hazardous situation which, if not avoided, will result in death or serious injury.

**WARNING:**

This indicates a hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION:**

This indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

**IMPORTANT:**

This indicates a potentially hazardous situation which, if not avoided could result in property damage.

**NOTE:**

This indicates useful information.

The warning and safety instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when operating or cleaning tools and equipment. Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand before operating the product.

## **WARNING**

### **1. SAFETY INFORMATION**

#### User's responsibility

- Before using this product, carefully read and fully understand this instruction manual for proper operation and safety procedures. Failure to follow all instructions may result in personal injury or product damage.
- Be sure that you are familiar with quick stop procedures and control operation of the water pump.
- This machine shall be operated by adults only! Keep children and pets away from the working area.
- This pump is designed to transfer clean water. Never attempt using this pump to deliver dirty water or slurry, or any inflammable or corrosive liquids.
- Do not touch the hot muffler while the machine is working. Move the machine when it's stopped and cooled down.
- To prevent fire hazards, keep at least 1 meter of clearance on all sides of this machine during operation.

#### **DANGER Adding petrol**

- Petrol is highly flammable and explosive. Always shut down this machine before refuelling. Refuel in a well-ventilated area. Make sure the filler cap is securely closed after refuelling.
- No smoking is allowed and no open fire or sparks allowed to exist in areas where fuelling is carried out or the fuel is stored.
- Be sure to remove the spilled petrol by wiping before starting this machine.

#### **Carbon monoxide gas**

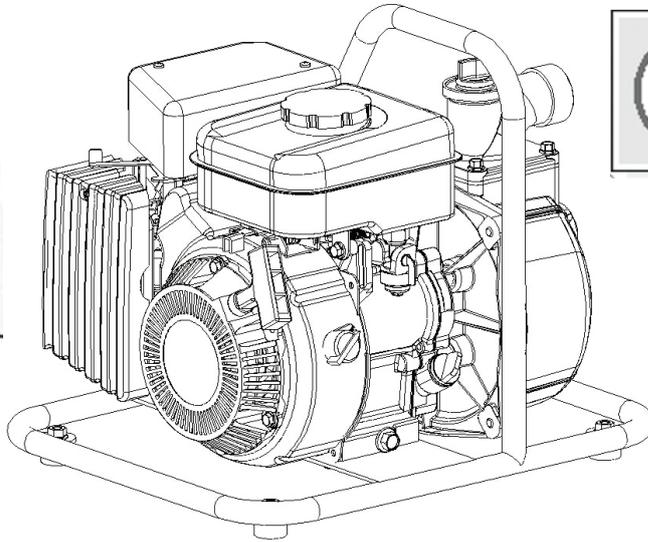
- When in operation, the exhaust from this machine contains poisonous carbon monoxide gas. Breathing this poisonous gas can lead to eventual death.
- Use this machine ONLY outdoors in well-ventilated areas.

## 2. LOCATION OF WARNING LABELS

These warning labels indicate potentially hazardous situations which could result in serious injury. Please carefully read and understand the symbols, safety information and precautions.



Check oil level before operation



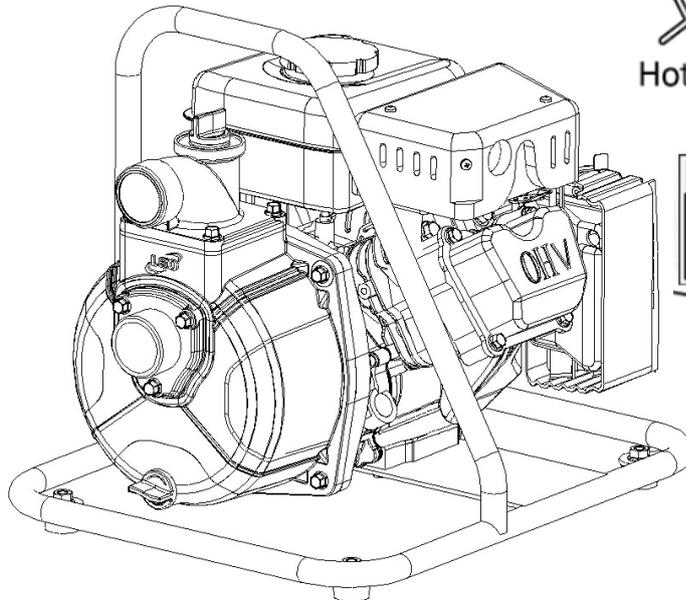
petrol refuelling



Exhaust gas



Hot surface



Maintenance of air filter

### 3. COMPONENTS

#### 3.1 BIA-WP15A

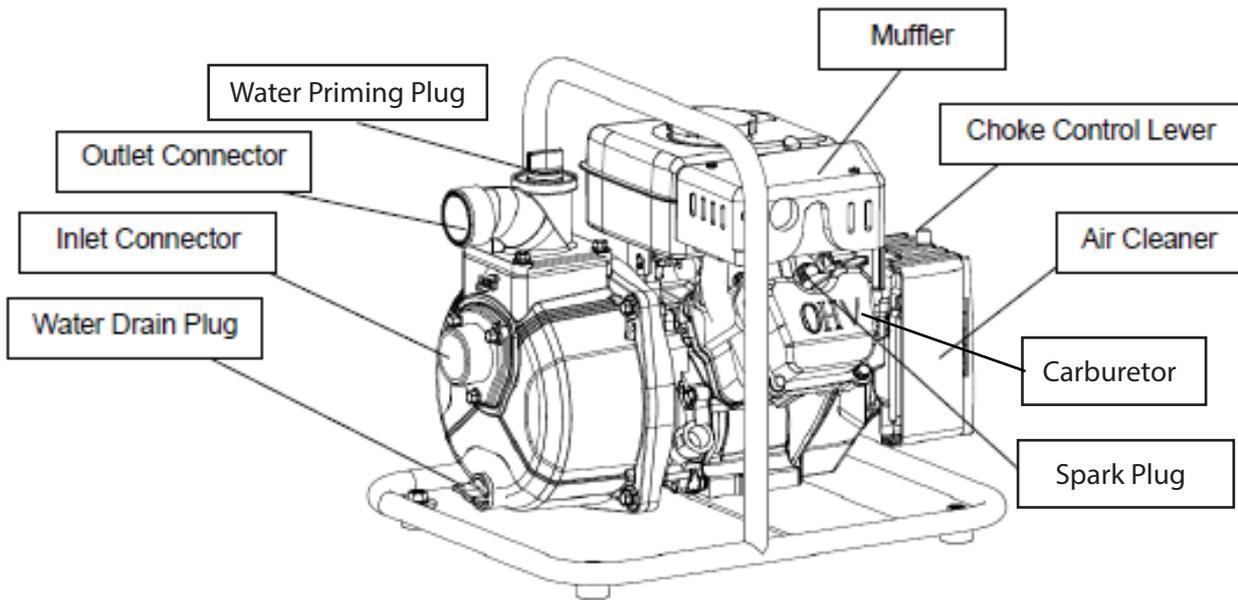


Fig 3.1

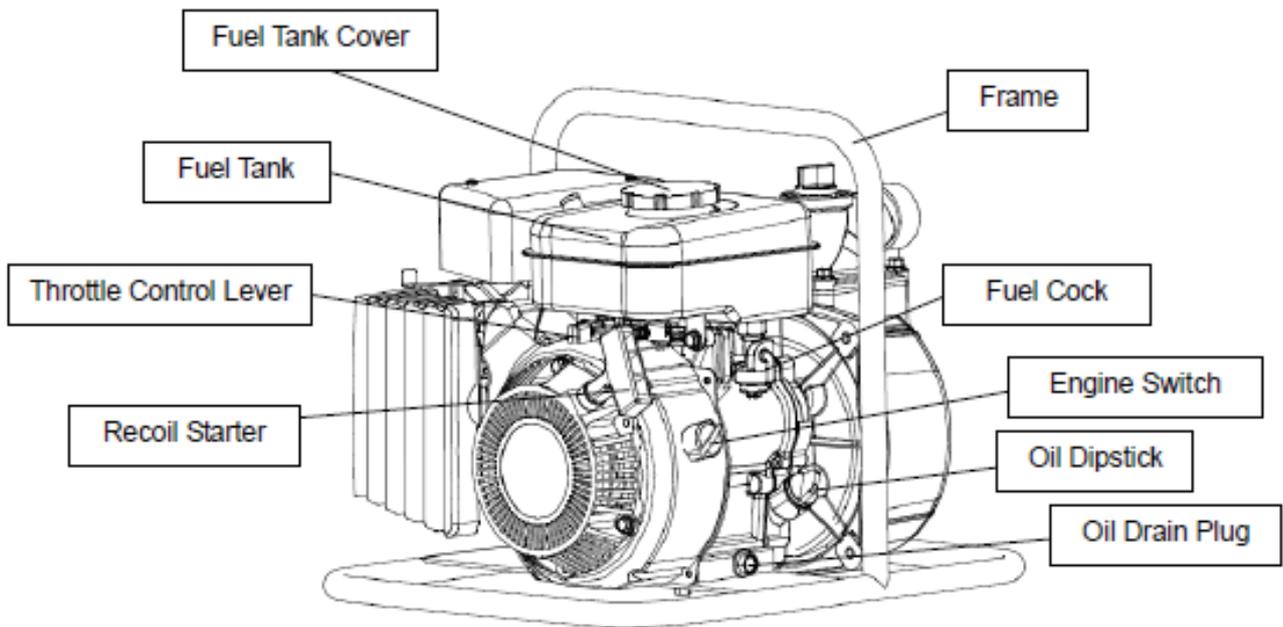


Fig 3.2

#### 4. PRE-STARTING OPERATION

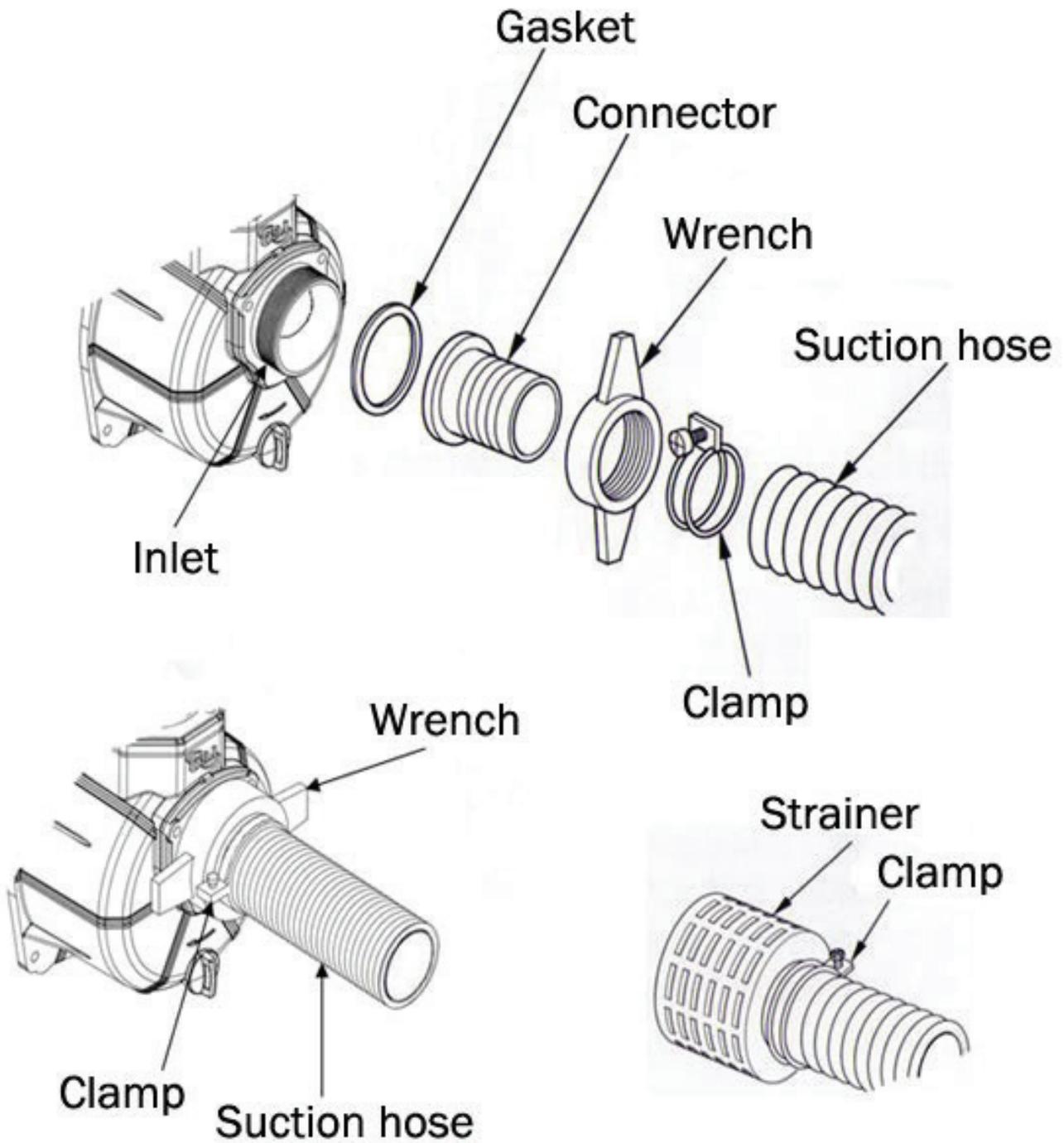


Fig.4-1

**IMPORTANT:** Install the strainer on the end of the suction hose before operation. The strainer prevents foreign materials from entering the water pump and protects the pump from blocking and component damage.

## **CAUTION**

To start this water pump, please check the following before each use:

- Confirm that engine oil has been properly added.
- Confirm that petrol has been properly added.
- Confirm that water has been added to the pump housing. Dry running will damage the mechanical seal very quickly.

- 

### **NOTE:**

Please use suitable oil container to add 350ml of engine oil to the BIA-WP15A crankcase when the crankcase is empty.

### **Checking oil level (pump stopped)**

- Remove the oil dipstick from and wipe it dry.
- Insert the dipstick into the oil filler (but don't screw it in) to check the oil level.
- Replenish the crankcase with the recommended type of oil until the oil level comes up to the upper most position if the existing oil level is found too low.
- Pump damage may occur if the oil level exceeds upper limit .
- Insert the dipstick into the oil filler again and screw it in.

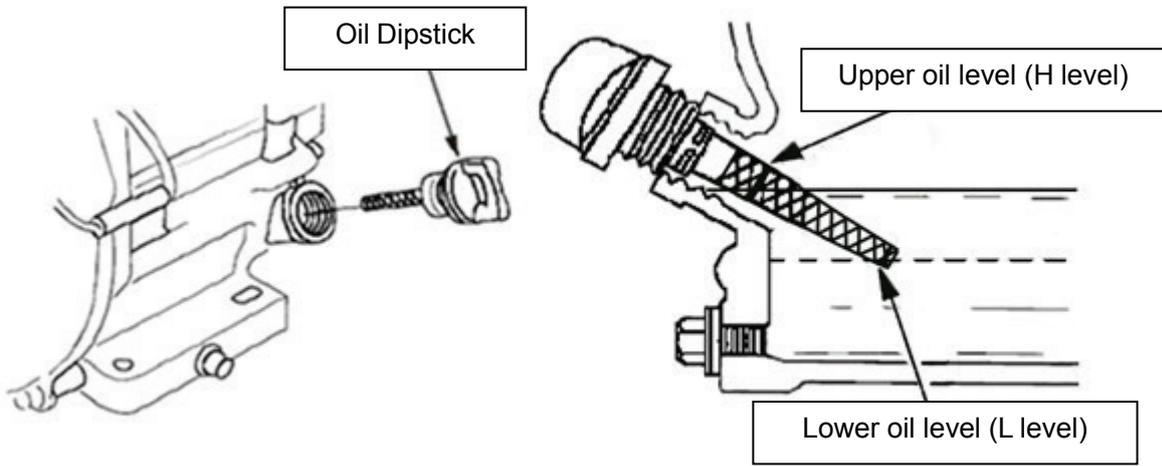
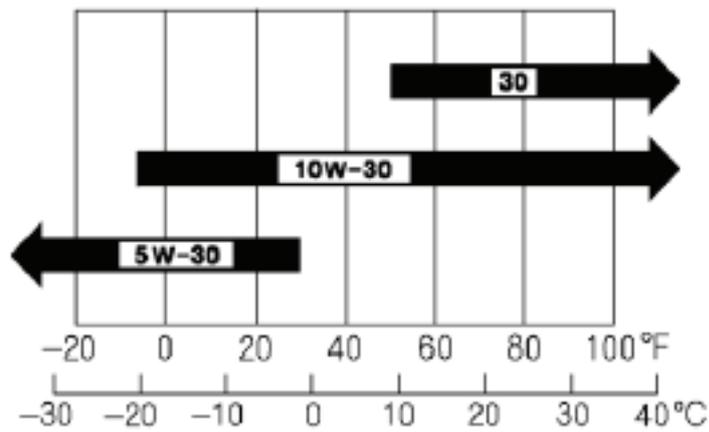


Fig.4-2

### Recommended oil type

SAE 10W-30



Ambient Temperature Fig.4-3

- 4-stroke engine oil.
- Use a high quality detergent oil classified "For Service SE" or higher.
- Choose a viscosity according to the table in different areas and different seasons.

## Checking fuel level

Uncap the fuel tank and check the fuel level while the machine is not in operation. Add petrol if the fuel level is found too low.

### **NOTE:**

Do not allow the fuel to overflow the fuel tank. The maximum fuel level is shown as below. Wipe up any spilled petrol with a dry cloth immediately.

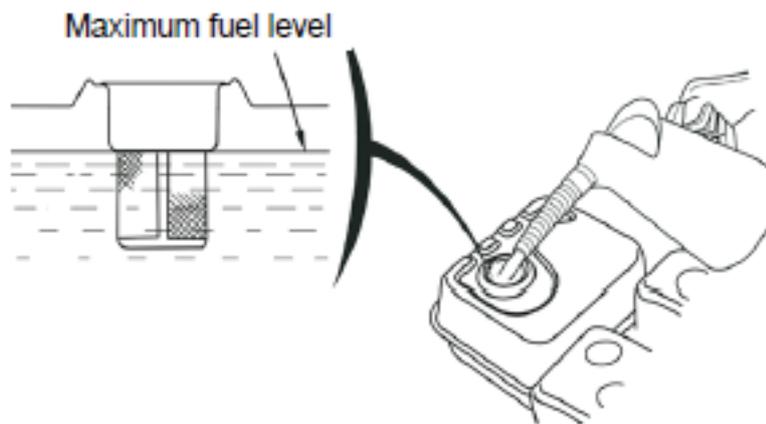


Fig.4.4

## Fuel Tank Capacity:

BIA-WP15A: 1.8 L

It is recommended to use fresh, unleaded petrol with an octane rating of 90 or 93. Use of ethanol petrol (more than 10% blended) is not allowed.

## Checking and filling the pump with water

The pump must be primed by filling with water before it is put into operation.

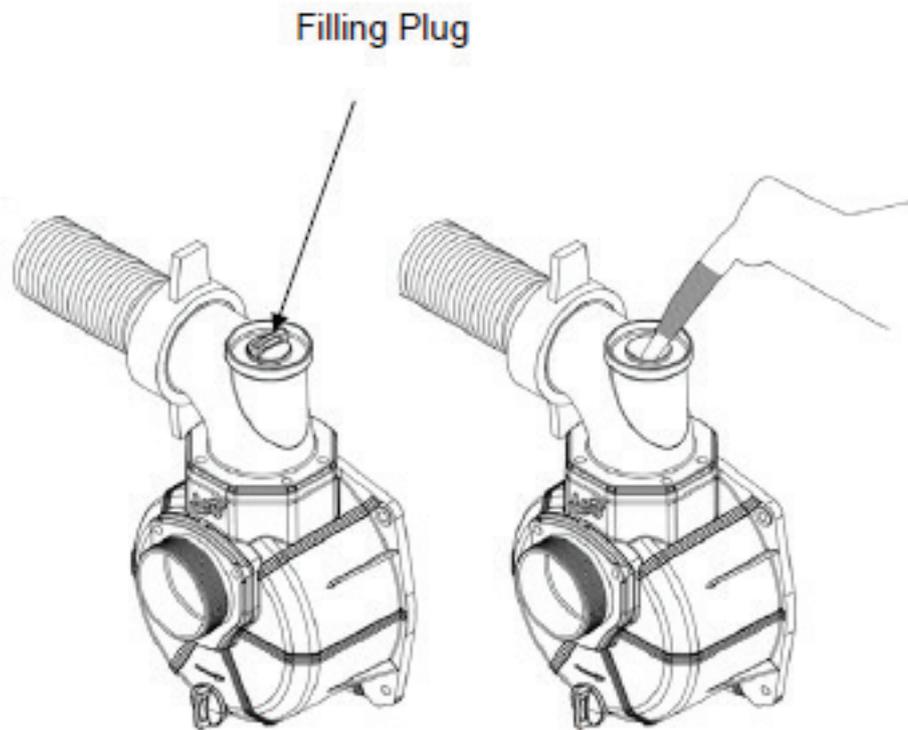


Fig.4-5

## 5. STARTING THE ENGINE

**CAUTION:** Confirm that fresh engine oil has been properly added.

**CAUTION:** Confirm that petrol has been properly added to the fuel tank.

**CAUTION:** Confirm that water has been properly added in the pump.

- 1) Turn the fuel valve ON. (Clockwise)

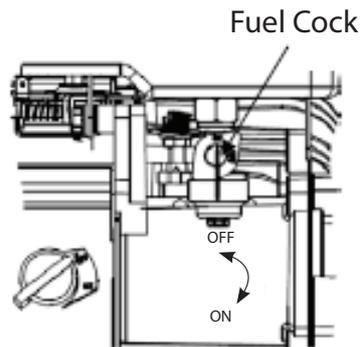


Fig.5-1a

- 2) Turn the choke on (push to right)

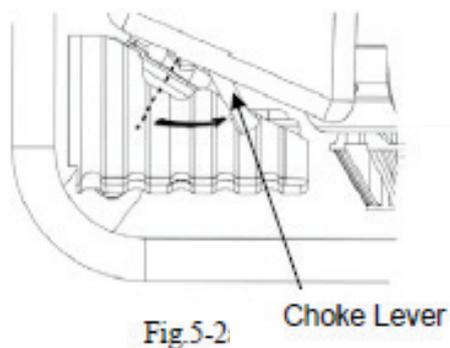


Fig.5-2

**NOTE:** In case the engine is warm or ambient temperature is high, it's not necessary to close the choke lever. (keep lever to the left)

- 3) Move the throttle lever from right (low speed) to left (high speed)  
Keep about 1/3 distance from the right (low speed)

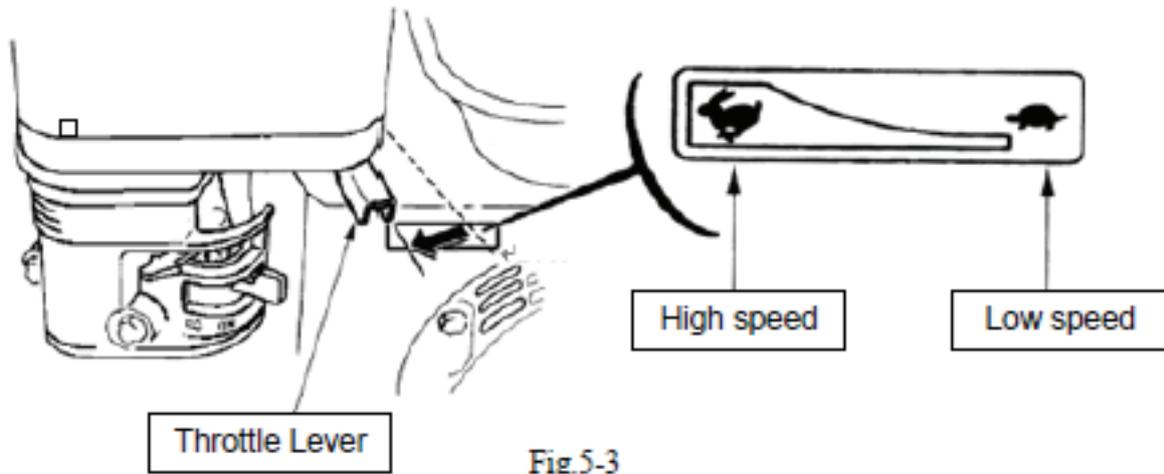


Fig.5-3

- 4) Turn the engine switch to the ON position.

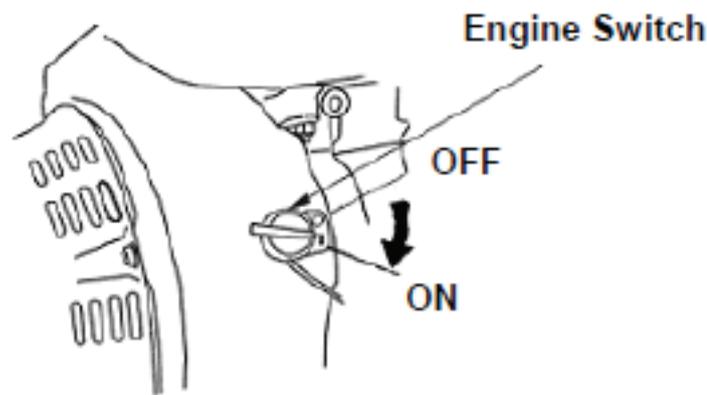


Fig.5-4

- 5) Pull the starter handle lightly until resistance is felt, and then pull it briskly.

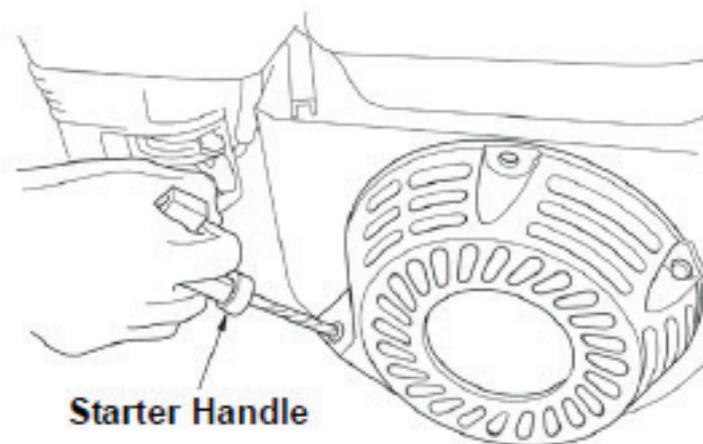
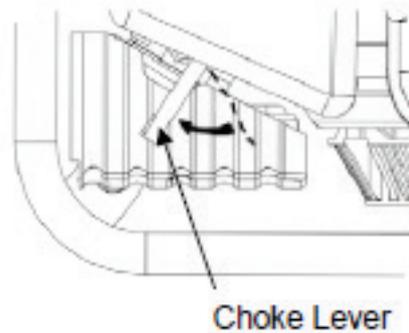


Fig.5-5

**CAUTION:** Return the starter handle gently to the starter. Do not allow to snap back against the engine.

- 6) Move the choke lever gradually to the OFF position (left) after the engine warms up.



- 7) Move the throttle lever fully to the left (high speed).

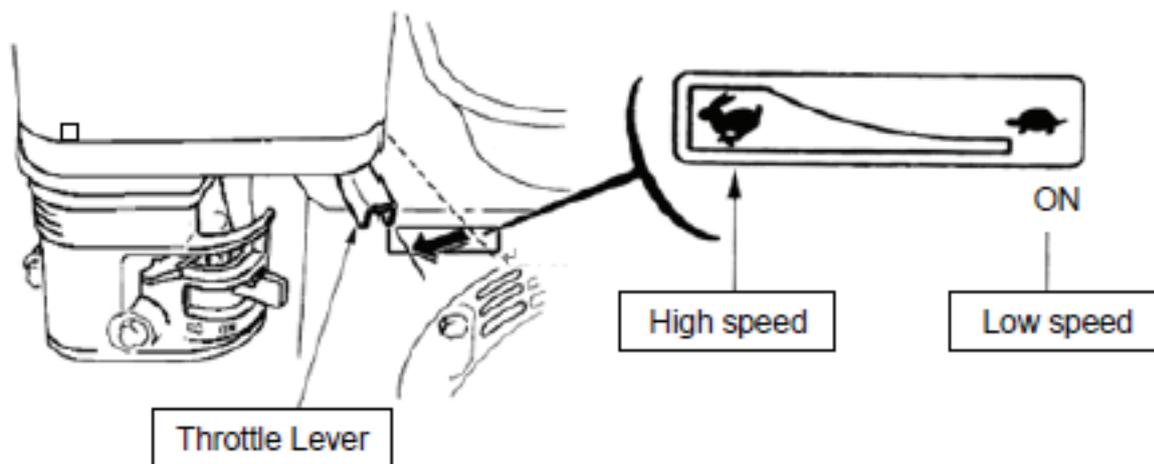
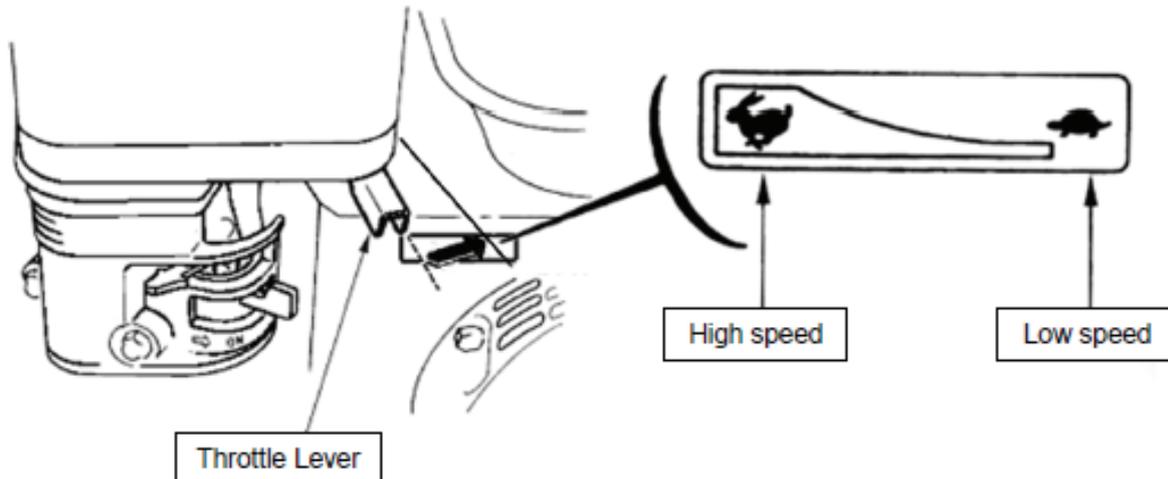


Fig.5-7

## 6. STOPPING THE ENGINE

Please follow the steps below to stop the engine:

- 1) Move the throttle lever to the right side (low speed)



- 2) Turn the engine switch to the OFF position.

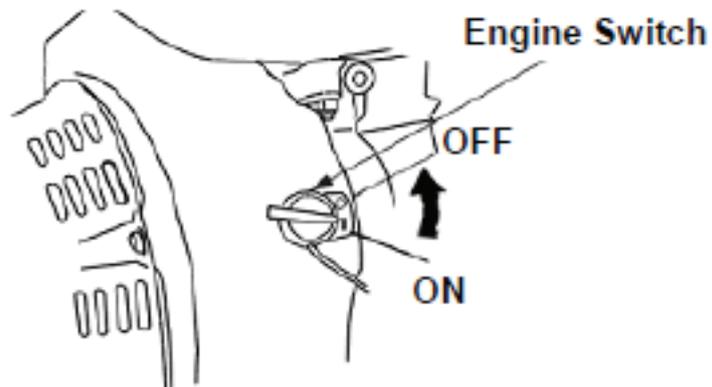
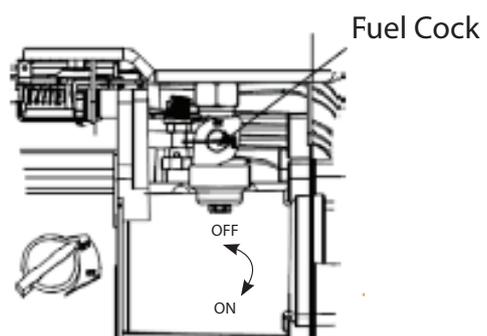


Fig.6-2

**NOTE:** Turn the engine switch to the OFF position immediately to shut down the engine in an emergency.

8) Turn the fuel valve OFF. (anti-clockwise)

3)



## 7. MAINTENANCE

### Maintenance Schedule

REGULAR SERVICE PERIOD		Each time	20 Hrs or first month	50 Hrs or every 3 months	100 Hrs or every 6 months	300 Hrs or every year
Engine oil	Check level	○				
	Change		○		○	
Air cleaner element	Check	○				
	Clean			○(1)		
	Change					○*
Fuel cup	Clean				○	
Spark plug	Clean				○	Change
Valve clearance	Readjust					○(2)
Fuel tank and fuel filter	Clean	Every 2 years (2)				
Fuel line	Change	Every 2 years (2) (between fuel tank and carburetor)				

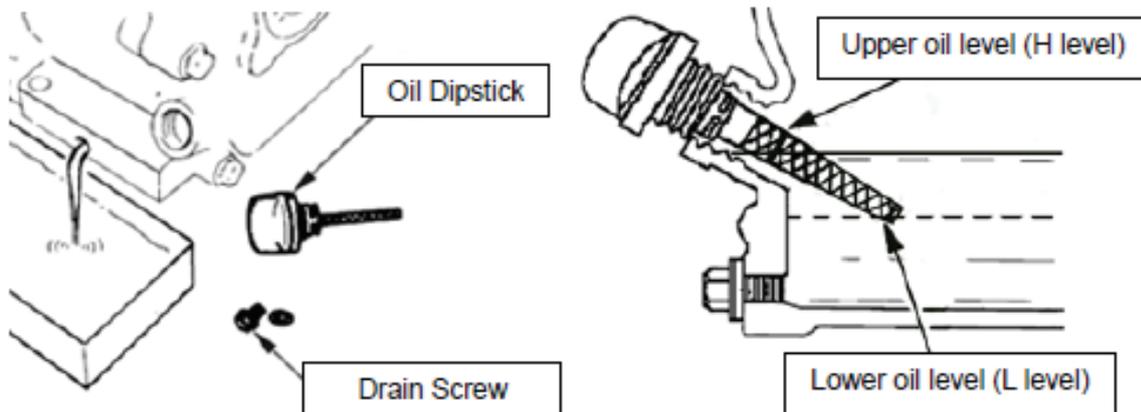
- \*: Change foam filter element only.
- (1): Service more frequently when used in dusty areas.
- (2): These items should be serviced by an authorized dealer, unless the owner has the proper tools and is mechanically proficient.

**NOTE:** Maintenance time depends on the frequency of use.

## Changing engine oil

Warm-up the engine to assure rapid and complete draining of the oil.

- 1) Remove the oil dipstick and the drain screw, then drain the oil.
- 2) Reinstall the drain screw and tighten it.



**NOTE:** Be sure to keep the environment clean when disposing used engine oil. We suggest you collect the waste oil in a container to be sent to a waste disposal site or a recycling service centre instead of spilling it in the garbage or on the ground.

- 3) Place the engine in a level position and refill with 350ml of recommended oil
- 4) Reinstall the oil dipstick and tighten it.

## Maintaining the air cleaner

A dirty air cleaner will restrict air flow to the carburettor and result in less pump power. Service the air cleaner periodically to prevent carburettor malfunctions. More frequent maintenance will be necessary if the pump is working in an extremely dirty environment.

**CAUTION:** Never run the pump without an air cleaner or with a damaged air cleaner. The dirt or dust if sucked into the engine will quicken engine wear.

- 1) Unscrew the wing nuts and remove the air cleaner cover.
- 2) Remove foam filter.
- 3) Separate foam elements.
- 4) Replace the elements if damaged. Replace the foam filter element in accordance with maintenance schedule.
- 5) Clean the plastic cover and housing.
- 6) Reinstall the air cleaner element and the cover.

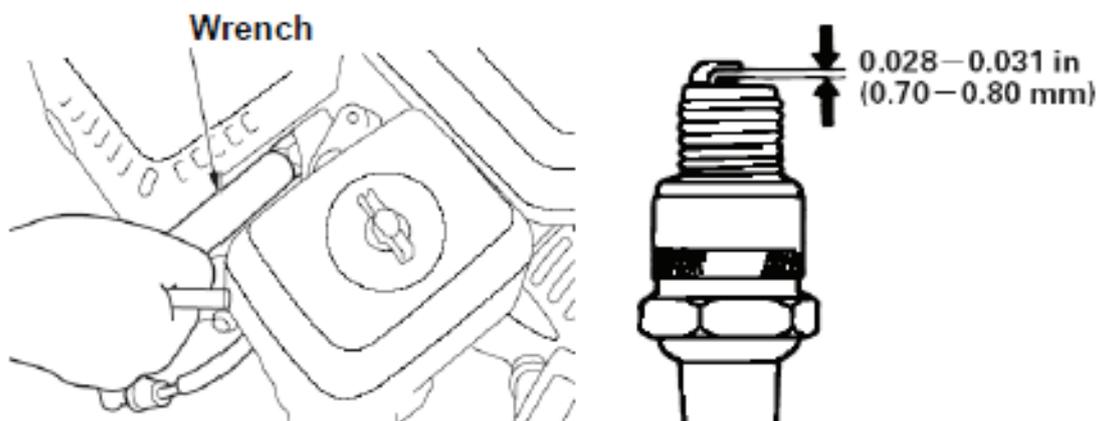
**Cleaning foam filter element:**

Wash the element in hot water with detergent or in a non flammable or high flash point solvent. Let it dry thoroughly and immerse it into clean oil and then squeeze out the excess oil.

## Maintaining the spark plug

The recommended type of spark plug is E7RTC (TORCH) or equivalent  
Take care not to touch the muffler due to high temperature on it's surface when removing or reinstalling the sparkplug.

- 1) Remove the plug cap.
- 2) Remove the spark with the wrench supplied.
- 3) Visually check the spark plug. Discard it if the electrode or insulation ring is damaged or the insulator is broken or cracked. Check the plug gap with a feeler gauge. The gap should be 0.70 - 0.80 mm. Vary the gap by moving the side electrode if necessary.
- 4) Clean sparkplug thread and cylinder thread of any dirt before assembly. Caution do not drop dirt or debris into cylinder head
- 5) Screw the plug in by hand to prevent cross-threading.
- 6) Tighten the spark plug with the wrench to compress the washer by turning a further 1/4 turn.
- 7) Reinstall plug cap



## 8. TROUBLESHOOTING

The engine will not start:

1. Is there enough fuel?
2. Is the fuel valve ON?
3. Has the fuel reached the carburettor?

To check, remove the fuel cap to inspect and turn the fuel valve on.

**DANGER:** Should there be a spill of fuel, be sure to clean it before checking the spark plug or starting the engine. Otherwise the spilled fuel or fuel vapour may ignite.

4. Is the engine switch ON?
5. Is there enough engine oil or does the oil exceed the upper level?
6. Is the spark plug generating sparks?

Uninstall and check the spark plug, clear off the dirt from around the plug and dry it. Fit the spark plug into the plug cap. Replace the spark plug if necessary.

7. If the engine still refuses to start, contact an authorized dealer.

### **The pump does not pump water:**

1. Is it primed with water?
2. Is the strainer clogged?
3. Is the hose clamp tightened?
4. Is the suction hose damaged?
5. Is the suction head too high? (must be less than 8m)
6. If the pump still fails to work, contact an authorized dealer.

## 9. STORAGE

Let the pump cool down. Wait at least 30 minutes after it stops. Clean the pump and coat with rust-proof grease if necessary.

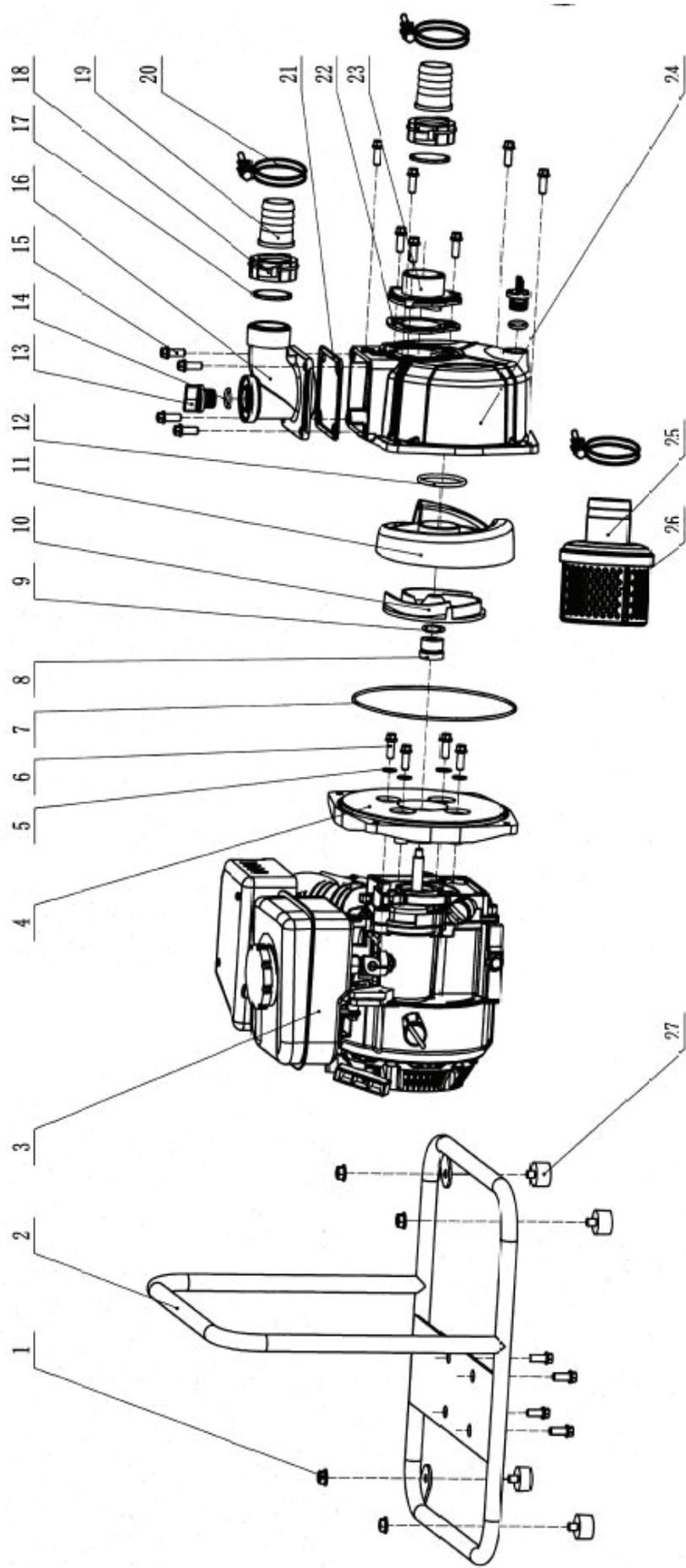
Before storing the pump for over 14 days:

- 1) Make sure the storage area is free of moisture and dust.
- 2) Drain the fuel.
  - a. Turn off the fuel valve and remove the fuel line.
  - b. Open the fuel valve and drain the fuel into a suitable container.
  - c. Turn off the fuel valve.
  - d. Reinstall the fuel line.
- 3) Reinstall the fuel cap.
- 4) Replace engine oil.
- 5) Remove the spark plug.
- 6) Pour one spoon of clean engine oil (5-10 ml) into cylinder.
- 7) Pull the starter cord to distribute the oil inside the cylinder.
- 8) Reinstall the spark plug.
- 9) Pull up the starter handle until a resistance is felt. In this case, both the inlet valve and outlet valve is closed to prevent corrosion inside the engine. Let starter cord recoil slowly
- 10) Cover up the pump to keep out dust.

**10. SPECIFICATIONS**

Model	BIA-WP15A
Inlet/Outlet Diameter	38mm (1 1/2" BS{M)
Max Flow	300 l/min
Max Head	25 m
Engine Model	G87
Engine Type	Single Cylinder, 4-Stroke, Air-Cooled OHV
Rated Power	3.0 hp
Displacement	87 cc (54mm x 38mm)
Ignition System	CDI
Idle Speed	1400 +/- 150 rpm
Fuel Consumption	< 450 g/kW/hr
Petrol	90-93 octane, unleaded
Priming Time (5m suction)	< 120 s
Net Weight	15.5 kg
Product Size	464x378x400 mm

**NOTE:** Specifications are subject to change due to technical improvements without prior notice



## 11. Spare Parts

<b>BIA-WP15A</b>						
POS.	PART NO.	DESCRIPTION	POS.	PART NO.	DESCRIPTION	
1	BIA-WP15A-1	HEX NUT M8	15	BIA-WP15A-15	HEX BOLT M8X20	
2	BIA-WP15A-2	FRAME	16	BIA-WP15A-16	OUTLET	
3	BIA-WP15A-3	ENGINE	17	BIA-WP15A-17	GASKET	
4	BIA-WP15A-4	PUMP COVER	18	BIA-WP15A-18	SPANNER	
5	BIA-WP15A-5	O RING 8X3	19	BIA-WP15A-19	PIPE	
6	BIA-WP15A-6	HEX SCREW M8X35	20	BIA-WP15A-20	CLAMP	
7	BIA-WP15A-7	O RING 194X3.55	21	BIA-WP15A-21	SEAL RING	
8	BIA-WP15A-8	MECHANICAL SEAL	22	BIA-WP15A-22	NON RETURN VALVE	
9	BIA-WP15A-9	WASHER	23	BIA-WP15A-23	INLET	
10	BIA-WP15A-10	IMPELLER	24	BIA-WP15A-24	PUMP BODY	
11	BIA-WP15A-11	DIFFUSER	25	BIA-WP15A-25	STRAINER FITTING	
12	BIA-WP15A-12	O RING 42X4.15	26	BIA-WP15A-26	STRAINER	
13	BIA-WP15A-13	PLUG	27	BIA-WP15A-27	RUBBER FEET	
14	BIA-WP15A-14	O RING 15.8X3.1				







White International Pty Ltd  
Limited Product Warranties  
TERMS & CONDITIONS

This warranty is given in addition to the consumer guarantees found within the Australian Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 NZ for goods purchased in New Zealand:

- 1) White International Pty Ltd / White International NZ Ltd (White International) warrant that all products distributed are free from defects in workmanship and materials, for their provided warranty period as indicated on the top or opposite side of this document. Subject to the conditions of the warranty, White International will repair any defective products free of charge at the premises of our authorised service agents throughout Australia and New Zealand if a defect in the product appears during the warranty period. If you believe that you have purchased a defective product and wish to make a claim under this warranty, contact us on our Sales Hotline on 1300 783 601, or send your claim to our postal address or fax line below and we will advise you as to how next to proceed. You will be required to supply a copy of your proof of purchase to make a claim under this warranty.
- 2) This warranty excludes transportation costs to and from White International or its appointed service agents and excludes defects due to non-compliance with installation instructions, neglect or misuse, inadequate protection against the elements, low voltage or use or operation for purposes other than those for which they were designed. For further information regarding the suitability of your intended application contact us on our Sales Hotline on 1300 783 601. If you make an invalid claim under this warranty, the original product will be sent back to you unrepaid.
- 3) This warranty refers only to products sold after the 1st January 2012, and is not transferable to another product type and only applies to the original owner, purchaser or end user, and is in addition to the consumer guarantees found within the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.
- 4) Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- 5) To the fullest extent permitted by law, White International excludes its liability for all other conditions or warranties which would or might otherwise be implied at law. To the fullest extent permitted by law, White International's liability under this warranty and any other conditions, guarantees or warranties at law that cannot be excluded, including those in the Competition and Consumer Act 2010 (Cth), is expressly limited to:
  - (a) in the case of products, the replacement of the product or the supply of equivalent product, the payment of the cost of replacing the product or of acquiring an equivalent product or the repair of the product or payment of the cost of having the product repaired, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer Act 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand; and
- 6) To the fullest extent permitted by law, this warranty supersedes all other warranties attached to the product or its packaging.
- 7) In the case of services, supplying the services again or the payment of the cost of having the services supplied again, is at the discretion of White International or a 3rd party tribunal elected under the Competition and Consumer At 2010 (Cth) for goods purchased in Australia and the Consumer Guarantees Act 1993 (NZ) for goods purchased in New Zealand.
- 8) Our warranty commences from the date of purchase of the above mentioned pumps. Proof of purchase is required before consideration under warranty is given. Record your date of purchase in the space below and retain this copy for your records.

Date of Purchase .....  
Model Purchased .....

**WHITE INTERNATIONAL PTY LTD**  
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PO Box 304 Milperra LPO NSW 2214  
Customer Service Hotline 1300 783 601  
Fax 02 9783 6001  
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**www.whiteint.co.nz**

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