

## WATER PUMPSET HIGH HEAD GASOLINE AM-WP5065-HHGE



## INTRODUCTION

Dear Sir/ Madam,

Thank you for choosing Agrimate product. You are the proud owner of high technology & durable machine. Trust that our Franchisee/Dealer installed the product & installed the product and explained you about the usage & service instructions. Please visit our autorised dealer for your future requirement of our other equipments, genuine spares, accessories and services. Service coupons are attached with this manual and you can avail free service to keep your machine fit always to use on demand.

About Ratnagiri,

We import and market of high quality of agriculture wide range of equipments which we are selling through our authorised franchisee or dealer network. We are in this field from past years service the farmer. community. For further details, Please visit our website [www.agrimart.in](http://www.agrimart.in). & Give a missed call to 7393 938 938.

## TECHNICAL SPECIFICATIONS

<b>MODEL</b>	<b>AM-WP5065-HHGE</b>
<b>ENGINE MODEL</b>	<b>AM-170FP</b>
<b>SUCTION/DISCHARGE</b>	<b>65MM/50MM</b>
<b>MAX. LIFT</b>	<b>65Mtr</b>
<b>SUCTION DEPTH MTR.</b>	<b>5MTR</b>
<b>MAX. CAPACITY (M3/HR)</b>	<b>30</b>
<b>FUEL CONSUMPTION</b>	<b>560(H/KW.H)</b>
<b>GROSS WEIGHT</b>	<b>25KG</b>

## 1.PUMP SAFETY

Your safety and the safety of others are very important. And using this water pump safely is an important responsibility.

To help you make informed decisions about safety, we have provided operating procedures and other information on labels and in this manual. This information alerts you to potential hazards that could hurt you or others.

Of course, it is not practical or possible to warn you about all the hazards associated with operating or maintaining a water pump. You must use your own good judgment.

You will find important safety information in a variety of forms, including:

Safety Labels -- on the pump.

Safety Messages -- preceded by a safety alert symbol and one of three signal words, DANGER, WARNING, or CAUTION. These signal words mean:

## **Operator Responsibility**

It is the operator's responsibility to provide the necessary safeguards to protect people and property. Know how to stop the pump quickly in case of emergency. If you leave the pump for any reason, always turn the engine off. Understand the use of all controls and connections.

Be sure that anyone who operates the pump receives proper instruction. Do not let children operate the pump. Keep children and pets away from the area of operation.

## **Pump Operation**

Pump only water that is not intended for human consumption. Pumping flammable liquids, such as gasoline or fuel oils, can result in a fire or explosion, causing serious injury. Pumping sea water, beverages, acids, chemical solutions, or any other liquid that promotes corrosion can damage the pump.

## **Refuel With Care**

Gasoline is extremely flammable, and gasoline vapor can explode. Refuel outdoors, in a well-ventilated area, with the engine stopped and the pump on a level surface. Do not fill the fuel tank above the fuel strainer shoulder. Never smoke near gasoline, and keep other flames and sparks away. Always store gasoline in an approved container. Make sure that any spilled fuel has been wiped up before starting the engine. After refueling, make sure the tank cap closed properly and securely.

## **Hot Exhaust**

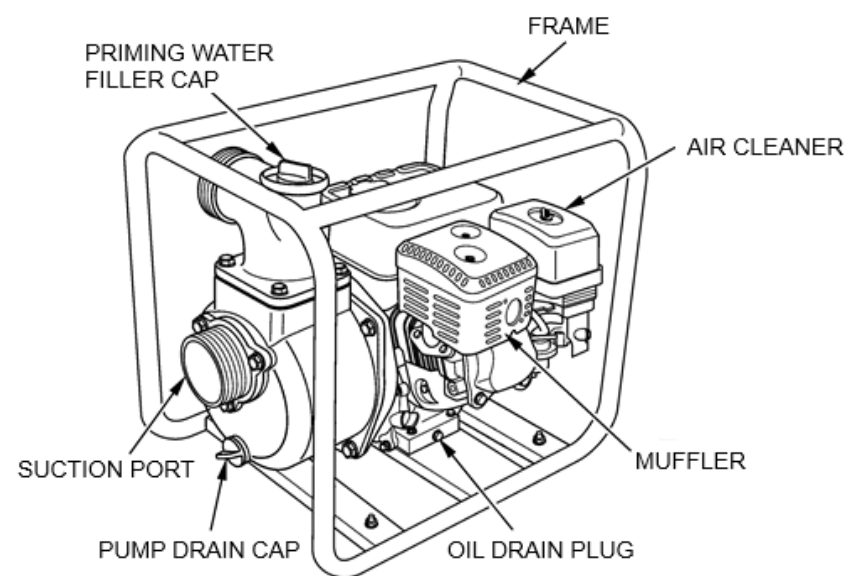
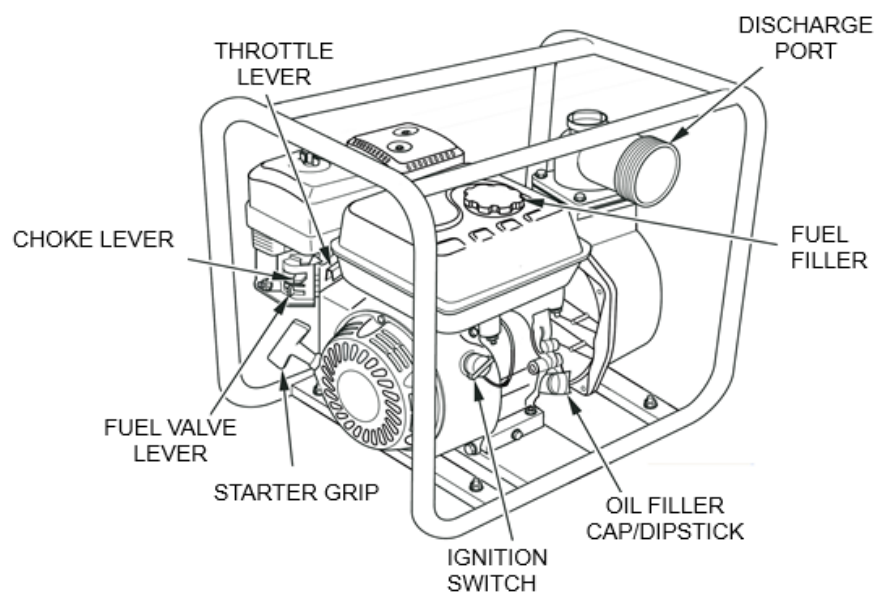
The muffler becomes very hot during operation and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot. Let the engine cool before transporting the pump or storing it indoors.

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

## **Carbon Monoxide Hazard**

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

## 2.COMPONENTS & CONTROL LOCATIONS



### 3.CONTROLS

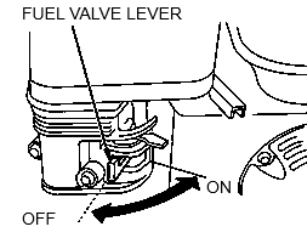
Read and understand this manual. Know what the controls do and how to operate them.

Familiarize yourself with the pump and its operation before you begin pumping. Know what to do in case of emergencies.

#### Fuel Valve Lever

The fuel valve opens and closes the passage between the fuel tank and the carburetor.

The fuel valve lever must be in the ON position for the engine to run. When the engine is not in use, leave the fuel valve lever in the OFF position to prevent carburetor flooding and to reduce the possibility of fuel leakage

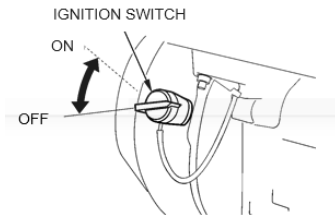


#### Ignition Switch

The ignition switch controls the ignition system.

The ignition switch must be in the ON position for the engine to run.

Turning the ignition switch to the OFF position stops the engine.

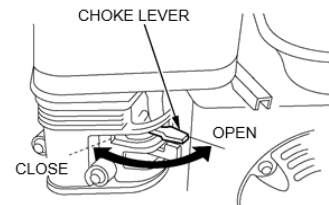


#### Choke Lever

The choke lever opens and closes the choke valve in the carburetor.

The CLOSED position enriches the fuel mixture for starting a cold engine.

The OPEN position provides the correct fuel mixture for operation after starting and for restarting a warm engine.



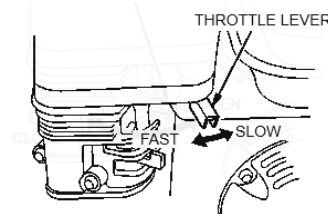
#### Throttle Lever

The throttle lever controls engine speed.

Moving the throttle lever in the directions shown makes the engine run faster or slower. Pump output is controlled by adjusting the throttle lever.

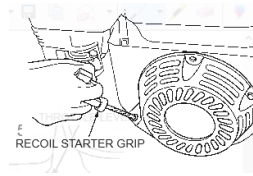
At maximum throttle position, the pump will deliver the highest output volume.

Moving the throttle lever toward the idle position will decrease the output volume of the pump.



## **Recoil Starter Grip**

Pulling the recoil starter grip operates the recoil starter to crank the engine



## **4.CHECK BEFORE OPERATION**

Be sure of what you are pumping. This pump is designed to pump only fresh water that is not intended for human consumption. 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. 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 preoperation inspection before each operation, and correct any problem. Exhaust gas contains poisonous carbon monoxide. Avoid inhalation of exhaust gas. Never run the engine in a closed garage or confined area. To prevent fire hazards, keep the pump at least 3 feet (1 meter) away from building walls and other equipment during operation. Do not place flammable objects close to the engine. Before beginning your preoperational checks, be sure the pump is on a level surface and the ignition switch is in the OFF position. Check the General Condition of the Pump 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. Look for signs of damage. Check that all nuts, bolts, screws, hose connectors and clamps are tightened. Check the Suction and Discharge Hoses Check the general condition of the hoses. 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 (see page 11). Check that the hose connectors and clamps are securely installed (see pages 11). Check that the strainer is in good condition and is installed on the suction hose (see page 11).

### **CHECK ENGINE OIL LEVEL**

**Check the engine oil level with the engine stopped and in a level position.**

1. Remove the oil filler cap/dipstick and wipe it clean.
2. Insert and remove the dipstick without screwing it into the filler neck. Check the oil level shown on the dipstick.
3. If the oil level is low, fill to the edge of the oil filler hole with the recommended oil (see page 19).
4. Screw in the oil filler cap/dipstick securely

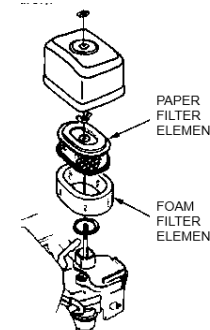


## AIR FILTER INSPECTION

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

Remove the air cleaner cover and inspect the filter. Clean or replace dirty filter elements. Always replace damaged filter elements. If equipped with an oil-bath air cleaner, also check the oil level.

Reinstall the air filter and air cleaner cover. Be sure all the parts shown below are in place. Tighten the wing nut securely



Operating the engine without an air filter, or with a damaged air filter, will allow dirt to enter the engine, causing rapid engine wear. This type of damage is not covered by the Distributor's Limited Warranty.

## CHECK FUEL LEVEL

With the engine stopped and on a level surface, remove the fuel tank cap and check the fuel level. Refill the tank if the fuel level is low. After refueling, tighten the fuel tank cap securely.

**WARNING :** Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. ·Stop the engine and keep heat, sparks, and flame away. ·Handle fuel only outdoors.· Wipe up spills immediately.

Do not fill above the shoulder of the fuel strainer (maximum fuel level).

## FUEL RECOMMENDATIONS

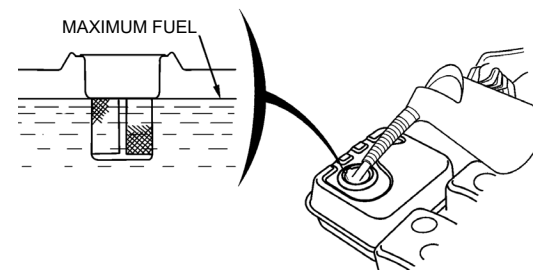
Use unleaded gasoline with a pump octane rating of 86 or higher.

These engines are certified to operate on unleaded gasoline. Unleaded gasoline produces fewer engine and spark plug deposits and extends exhaust system life.

Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt or water in the fuel tank.

Occasionally you may hear a light "spark knock" or "pinging" (metallic rapping noise) while operating under heavy loads. This is no cause for concern. If spark knock or pinging occurs at a steady engine speed, under normal load, change brands of gasoline. If spark knock or pinging persists, see an authorized servicing dealer. Running the engine with persistent spark knock or pinging can cause engine damage.

Running the engine with persistent spark knock or pinging is misuse, and the Distributor's Limited Warranty does not cover parts damaged by misuse.



## 5. OPERATION

### SAFE OPERATING PRECAUTIONS

To safely realize the full potential of this pump, you need a complete understanding of its operation and a certain amount of practice with its controls.

Before operating the pump for the first time, please review the IMPORTANT SAFETY INFORMATION on page 1 and the chapter titled CHECK BEFORE OPERATION.

For your safety, avoid starting or operating the engine in an enclosed area, such as a garage. Your engine's exhaust contains poisonous carbon monoxide gas which can collect rapidly in an enclosed area and cause illness or death.

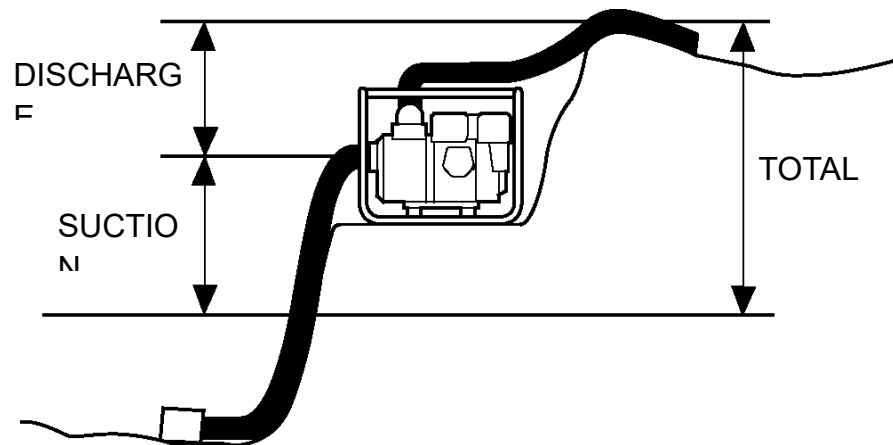
Pump only fresh water that is not intended for human consumption. Pumping flammable liquids, such as gasoline or fuel oils, can result in a fire or explosion, causing serious injury. Pumping sea water, beverages, acids, chemical solutions, or any other liquid that promotes corrosion can damage the pump.

### PUMP PLACEMENT

For best pump performance, place the pump near the water level, and use hoses that are no longer than necessary. That will enable the pump to produce the greatest output with the least self-priming time.

As head (pumping height) increases, pump output decreases. The length, type, and size of the suction and discharge hoses can also significantly affect pump output.

Discharge head capability is always greater than suction head capability, so it is important for suction head to be the shorter part of total head. Minimizing suction head (placing the pump near the water level) is also very important for reducing self-priming time. Self-priming time is the time that takes the pump to bring water the distance of the suction head during initial operation.



## SUCTION HOSE INSTALLATION

Use a commercially available hose and hose connector with the hose clamp provided with the pump. The suction hose must be reinforced with a non-collapsible wall or braided wire construction.

Do not use a hose smaller than the pump's suction port size. Minimum hose size:

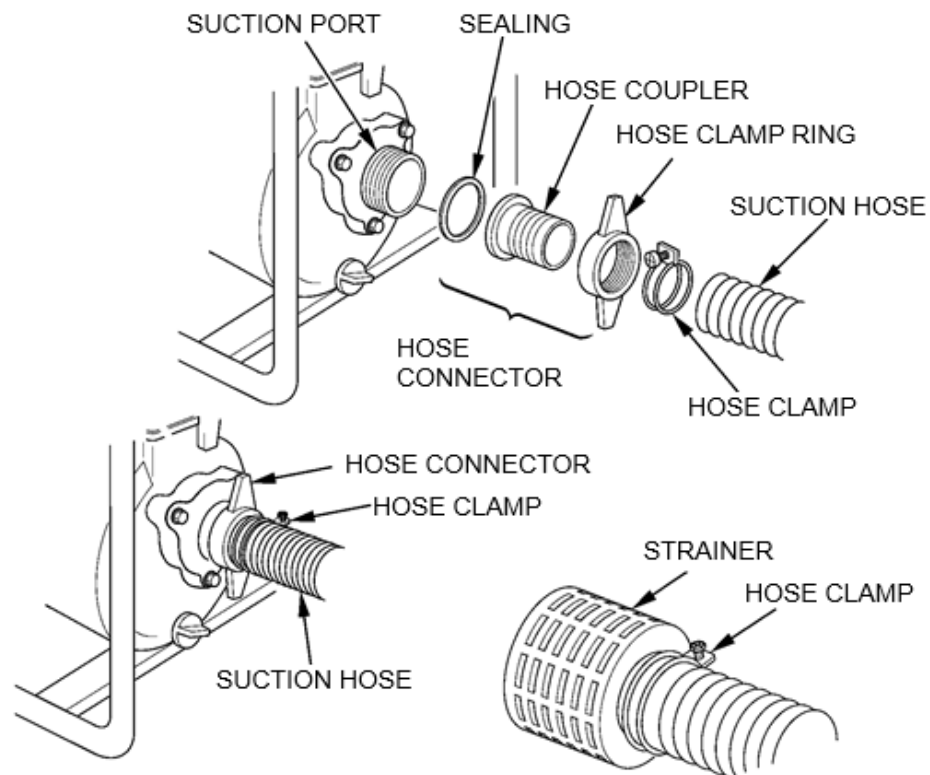
2"x 2" water pump = 2 inches (50 mm)

3"x 3" water pump = 3 inches (80 mm)

The suction hose should be no longer than necessary. Pump performance is best when the pump is near the water level, and the hoses are short.

Use a hose clamp to securely fasten the hose connector to the suction hose in order to prevent air leakage and loss of suction. Verify that the hose connector sealing washer is in good condition.

Install the strainer (provided with the pump) on the other end of the suction hose, and secure it with a hose clamp. The strainer will help to prevent the pump from becoming clogged or damaged by debris. Securely tighten the hose connector on the pump suction port.

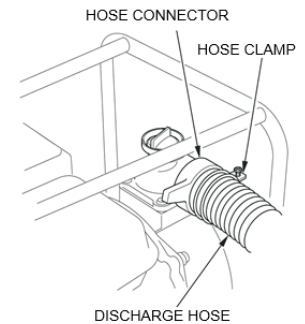


## DISCHARGE HOSE INSTALLATION

Use a commercially available hose and hose connector, and clamp provided with the pump.

It is best to use a short, large-diameter hose, because that will reduce fluid friction and improve pump output. A long or small-diameter hose will increase fluid friction and reduce pump output.

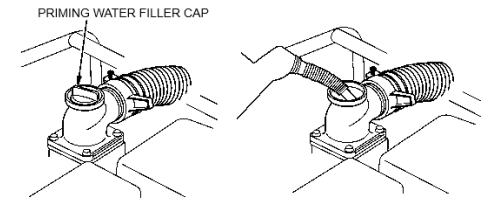
Tighten the hose clamp securely to prevent the discharge hose from disconnecting under pressure.



## PRIMING THE PUMP

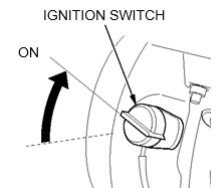
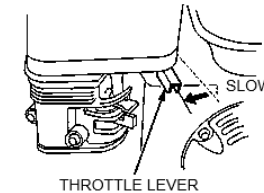
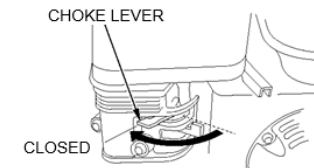
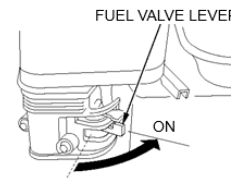
Before starting the engine, remove the filler cap from the pump chamber, and completely fill the pump chamber with water. Reinstall the filler cap, and tighten it securely.

Operating the pump dry will destroy the pump seal. If the pump has been operated dry, stop the engine immediately, and allow the pump to cool before priming.



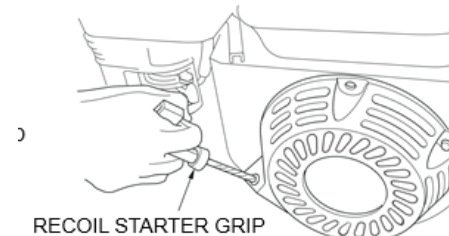
## 6.STARTING THE ENGINE

1. Prime the pump
2. Move the fuel valve lever to the ON position.
3. To start a cold engine, move the choke lever to the CLOSED position.  
To restart a warm engine, leave the choke lever in the OPEN position.
4. Move the throttle lever away from the SLOW position about 1/3 of the way toward the FAST position.
5. Turn the ignition switch to the ON position
6. Pull the recoil starter grip lightly until resistance is felt, then pull it briskly.



Do not allow the recoil starter grip to snap back against the engine.

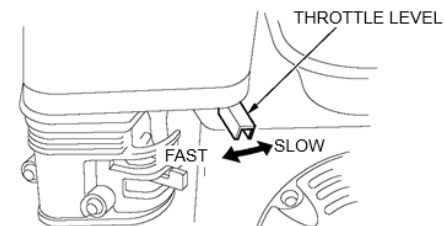
Return it gently to prevent damage to the starter.



## 8.setting engine speed

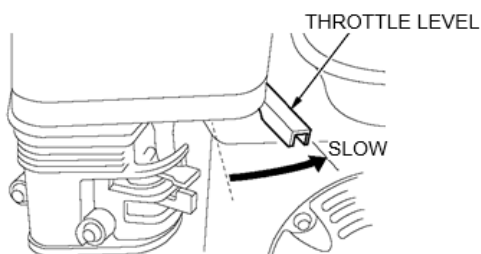
After starting the engine, move the throttle lever to the FAST position for self-priming, and check pump output.

Pump output is controlled by adjusting engine speed. Moving the throttle lever in the FAST direction will increase pump output, and moving the throttle lever in the SLOW direction will decrease pump output.

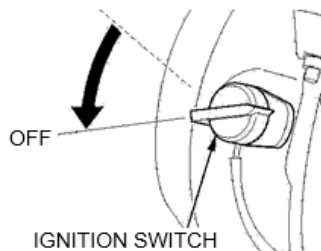


## 7.STOPPING THE ENGINE

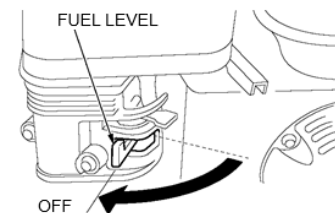
To stop the engine in an emergency, simply turn the ignition switch to the OFF position. Under normal conditions, use the following procedure.



Move the throttle lever to the SLOW position.



Turn the ignition switch to the OFF position.



Turn the fuel valve lever to the OFF position

After use, remove the pump drain plug (see page 23), and drain the pump chamber. Remove the filler cap, and flush the pump chamber with clean, fresh water. Allow the water to drain from the pump chamber, then reinstall the filler cap and drain plug.

## 8.MAINTENANCE

### THE IMPORTANCE OF MAINTENANCE

Good maintenance is essential for safe, economical, and trouble-free operation. It will also help reduce air pollution.

Improperly maintaining this pump, or failing to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed. Always follow the inspection and maintenance recommendations and schedules in this owner's manual.

To help you properly care for your pump, the following pages include a maintenance schedule, routine inspection procedures, and simple maintenance procedures using basic hand tools. Other service tasks that are more difficult, or require special tools, are best handled by professionals and are normally performed by a technician or other qualified mechanic.

The maintenance schedule applies to normal operating conditions. If you operate your pump under severe conditions, such as sustained high-load or high-temperature operation, or use in unusually wet or dusty conditions, consult your servicing dealer for recommendations applicable to your individual needs and use.

Remember that your servicing dealer knows your pump best and is fully equipped to maintain and repair it.

To ensure the best quality and reliability, use only new, genuine parts or their equivalents for repair and replacement.

Maintenance, replacement, or repair of emission control devices and systems may be performed by any engine repair establishment or individual, using parts that are “certified” to EPA standards.

### **MAINTENANCE SAFETY**

Some of the most important safety precautions follow. However, we cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.

Failing to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed.

Always follow the procedures and precautions in the owner’s manual.

#### **Safety Precautions**

Make sure the engine is off before you begin any maintenance or repairs. This will eliminate several potential hazards:

Carbon monoxide poisoning from engine exhaust. Be sure there is adequate ventilation whenever you operate the engine.

Burns from hot parts. Let the engine and exhaust system cool before touching. Injury from moving parts. Do not run the engine unless instructed to do so.

Read the instructions before you begin, and make sure you have the tools and skills required. To reduce the possibility of fire or explosion, be careful when working around gasoline. Use only a nonflammable solvent, not gasoline, to clean parts. Keep cigarettes, sparks, and flames away from all fuel-related parts

## MAINTENANCE SCHEDULE



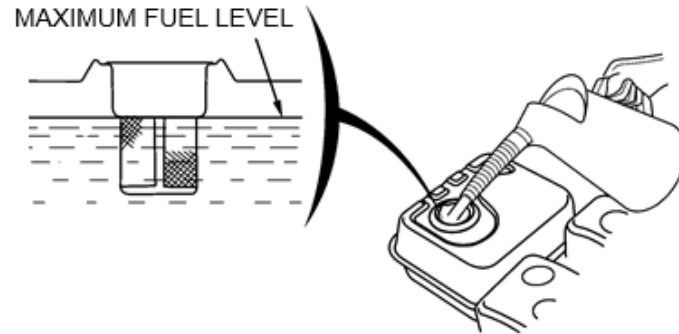
Performed at every indicated month or operating hour interval, whichever comes first.		Each use	First month or 20 Hrs.	Every 3 months or 50 Hrs.	Every 6 months or 100 Hrs.	Every year or 300 Hrs.
ITEM						
• Engine oil	Check level	○				
	Change		○		○	
• Air cleaner	Check	○				
	Clean			○(1)		
• Idle speed	Check-Adjust					○(2)
• Spark plug	Check-Clean				○	
• Spark arrester	Clean				○	
• Combustion chamber	Clean					○(2)
• Valve clearance	Check-Adjust					○(2)
• Fuel tank and strainer	Clean					○(2)
• Fuel tube	Check	Every 2 <u>years</u> (Replace if necessary) (2)				
Impeller	Check					○(2)
Impeller clearance	Check					○(2)
Pump inlet valve	Check					○(2)

• Emission-related items.

(1) Service more frequently when used in dusty areas.

(2) These items should be serviced by your servicing dealer, unless you have the proper tools and are mechanically proficient. Refer to shop manual for service procedures.

With the engine stopped and on a level surface, remove the fuel tank cap and check the fuel level. Refill the tank if the fuel level is low.



Refuel in a well-ventilated area before starting the engine. If the engine has been running, allow it to cool. Refuel carefully to avoid spilling fuel. Do not fill the fuel tank above the fuel strainer shoulder. After refueling, tighten the fuel tank cap securely.

Never refuel the engine inside a building where gasoline fumes may reach flames or sparks. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.

Spilled fuel is not only a fire hazard, it causes environmental damage. Wipe up spills immediately.

Do not fill above the shoulder of the fuel strainer (maximum fuel level).

Refuel in a well-ventilated area before starting the engine. If the engine has been running, allow it to cool. Refuel carefully to avoid spilling fuel.

Do not fill the fuel tank above the fuel strainer shoulder. After refueling, tighten the fuel tank cap securely.

Never refuel the engine inside a building where gasoline fumes may reach flames or sparks. Keep gasoline away from appliance pilot lights, barbecues, electric appliances, power tools, etc.

Spilled fuel is not only a fire hazard, it also causes environmental damage. Wipe up spills immediately.

Fuel can damage paint and plastic. Be careful not to spill fuel when filling your fuel tank. Damage caused by spilled fuel is not covered under warranty.

## **ENGINE OIL CHANGE**

Drain the used oil while the engine is warm. Warm oil drains quickly and completely.

1. Place a suitable container below the engine to catch the used oil, and then remove the oil filler cap/dipstick, drain plug and sealing washer.

2. Allow the used oil to drain completely, and then reinstall the drain plug, and tighten it securely.

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

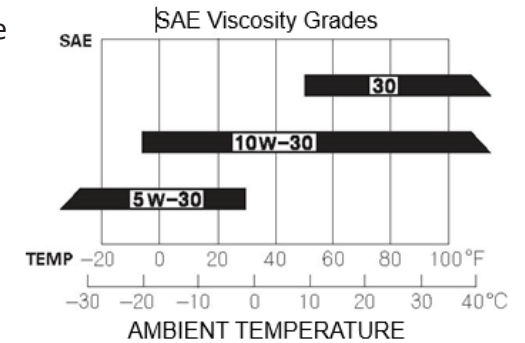
3. With the engine in a level position, fill to the outer edge of the oil filler hole with the recommended oil.



SAE 10W-30 is recommended for general use. Other viscosities shown in the chart may be used when the average temperature in your area is within the recommended range.

The SAE oil viscosity and service classification are in the API label on the oil container. We recommend that you use API SERVICE category SJ oil.

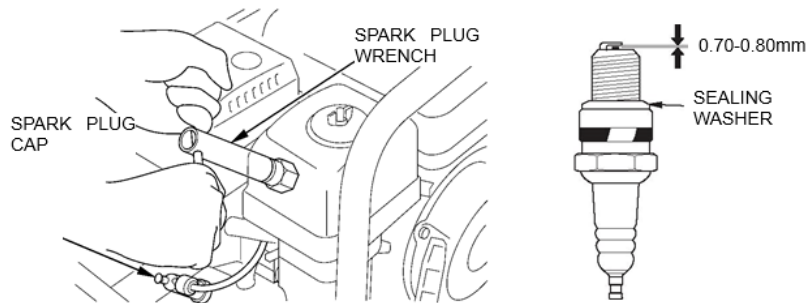
The recommended operating range of this pump is 23 °F to 104 °F ( -5 °C to 40 °C).



## AIR FILTER CLEANING

A dirty air filter will restrict air flow to the carburetor, reducing engine performance. If you operate the pump in very dusty areas, clean the air filter more frequently than specified in the MAINTENANCE SCHEDULE (see page 17).

1. Clean the air filter in warm soapy water, rinse, and dry it thoroughly. Or clean in nonflammable solvent and dry it thoroughly.
2. Dip the air filter in clean engine oil, and then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the foam.
3. Wipe dirt from the air cleaner base and cover, using a moist rag. Be careful to prevent dirt from entering the air duct that leads to the carburetor.



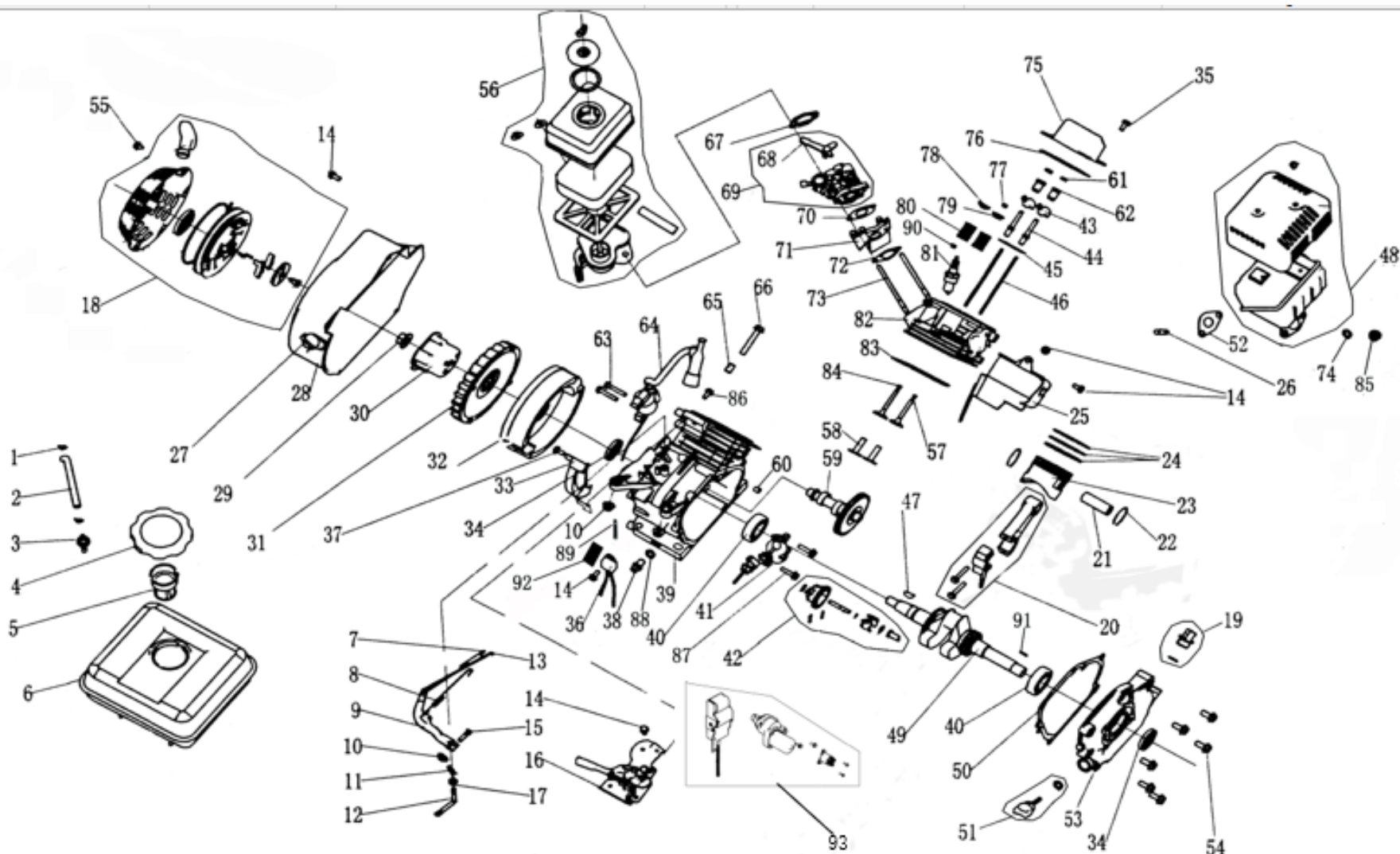
Incorrect spark plugs can cause engine damage.

1. Disconnect the spark plug cap, and remove any dirt from around the spark plug area.
2. Remove the spark plug with a spark plug wrench.
3. Inspect the spark plug. Replace it if the electrodes are worn, or if the insulator is cracked or chipped.
4. Measure the spark plug electrode gap with a suitable gauge. Correct the gap if necessary, by carefully bending the side electrode. The gap should be: 0.028-0.031 in (0.70-0.80 mm).
5. Install the spark plug carefully, by hand, to avoid cross-threading.

## NOTICE

A loose spark plug can overheat and damage the engine.  
Over tightening the spark plug can damage the threads in the cylinder head.

## ENGINE DIAGRAM & SPARE PARTS LIST OF WATER PUMP

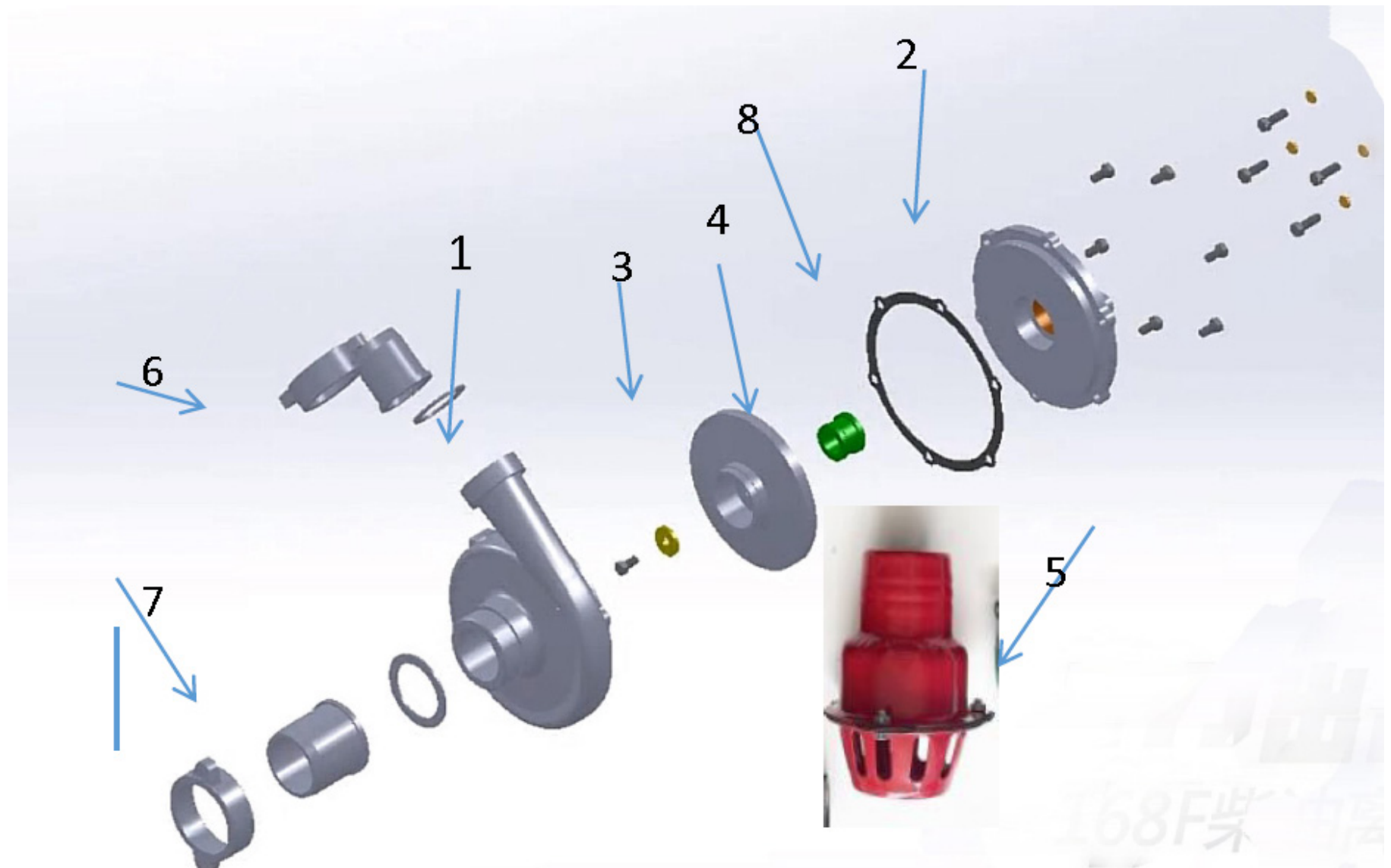


SL NO	PART NO	DESCRIPTION	SL NO	PART NO	DESCRIPTION
1	AM-WP-5065HHG-EA01	CLIP TUBE	17	AM-WP-5065HHG-EA17	WASHER PAIN
2	AM-WP-5065HHG-EA02	TUBE FUEL	18	AM-WP-5065HHG-EA18	COVER COMP FAN
3	AM-WP-5065HHG-EA03	JOINT ASSY FUEL TANK	19	AM-WP-5065HHG-EA19	OIL STICK
4	AM-WP-5065HHG-EA04	CAP COMP FUEL FILLER	20	AM-WP-5065HHG-EA20	CONNECTING ROD
5	AM-WP-5065HHG-EA05	FILTER FUEL	21	AM-WP-5065HHG-EA21	PIN PISTON
6	AM-WP-5065HHG-EA06	TANK COMP FUEL	22	AM-WP-5065HHG-EA22	CLIP PISTON PIN
7	AM-WP-5065HHG-EA07	SPRING THROTTLE RETURN	23	AM-WP-5065HHG-EA23	PISTON
8	AM-WP-5065HHG-EA08	SPRING THROTTLE RETURN	24	AM-WP-5065HHG-EA24	RING SET
9	AM-WP-5065HHG-EA09	ARM GOVERNOR	25	AM-WP-5065HHG-EA25	SHROUD
10	AM-WP-5065HHG-EA10	NUT FLANGE	26	AM-WP-5065HHG-EA26	BOLT STUD EXHAUST
11	AM-WP-5065HHG-EA11	PIN LOCK	27	AM-WP-5065HHG-EA27	SWITCH ASSY ENGINE STOP(OIL ALERT)
12	AM-WP-5065HHG-EA12	SHAFT GOVERNOR ARM	28	AM-WP-5065HHG-EA28	COVER COMP FAN
13	AM-WP-5065HHG-EA13	ROD GOVERRNOR	29	AM-WP-5065HHG-EA29	NUT SPECIAL
14	AM-WP-5065HHG-EA14	BOLT FLANGE	30	AM-WP-5065HHG-EA30	PULLEY STARTER
15	AM-WP-5065HHG-EA15	BOLT QUADRATE HEAD	31	AM-WP-5065HHG-EA31	FAN COOLING
16	AM-WP-5065HHG-EA16	CONTROL ASSY	32	AM-WP-5065HHG-EA32	FLYWHEEL COMP

SL NO	PART NO	DESCRIPTION	SL NO	PART NO	DESCRIPTION
33	AM-WP-5065HHG-EA33	DIVERSION ASSY	49	AM-WP-5065HHG-EA49	CRANKSHAFT COMP
34	AM-WP-5065HHG-EA34	OIL SEAL	50	AM-WP-5065HHG-EA50	PACKING CASE COVER
35	AM-WP-5065HHG-EA35	BOLT FLANGE	51	AM-WP-5065HHG-EA51	OIL FILLER CAP
36	AM-WP-5065HHG-EA36	ALART UNIT OIL	52	AM-WP-5065HHG-EA52	GASKET MUFFLER
37	AM-WP-5065HHG-EA37	BOLT FLANGE	53	AM-WP-5065HHG-EA53	COVER
38	AM-WP-5065HHG-EA38	BOLT DRAIN PLUG	54	AM-WP-5065HHG-EA54	BOLT
39	AM-WP-5065HHG-EA39	CRANK CASE	55	AM-WP-5065HHG-EA55	BOLT
40	AM-WP-5065HHG-EA40	BEARING RADIAL BALL	56	AM-WP-5065HHG-EA56	AIR CLEANER
41	AM-WP-5065HHG-EA41	OIL LEVEL SWITCH	57	AM-WP-5065HHG-EA57	VALVE EX
42	AM-WP-5065HHG-EA42	GEAR GOVERNOR	58	AM-WP-5065HHG-EA58	LEFTER VALVE
43	AM-WP-5065HHG-EA43	ARM VALVE ROCKER	59	AM-WP-5065HHG-EA59	CAMSHAFT ASSY
44	AM-WP-5065HHG-EA44	BOLT PIVOT ARM	60	AM-WP-5065HHG-EA60	PIN FLYING BLOCK
45	AM-WP-5065HHG-EA45	PLATE ASSY	61	AM-WP-5065HHG-EA61	PIVOT ROCKER ARM
46	AM-WP-5065HHG-EA46	ROD PUSH	62	AM-WP-5065HHG-EA62	NUT PIVOT ADJUSTING
47	AM-WP-5065HHG-EA47	KEY SPECIAL WOODRUFF	63	AM-WP-5065HHG-EA63	BOLT FLANGE
48	AM-WP-5065HHG-EA48	MUFFLER ASSY	64	AM-WP-5065HHG-EA64	COIL ASSY IGNITION

SL NO	PART NO	DESCRIPTION	SL NO	PART NO	DESCRIPTION
65	AM-WP-5065HHG-EA65	PIN DOWER	81	AM-WP-5065HHG-EA81	PLUG SPARK
66	AM-WP-5065HHG-EA66	BOLT FLANGE	82	AM-WP-5065HHG-EA82	HEAD COMP CYLINDER
67	AM-WP-5065HHG-EA67	SPACER COMP AIR CLEANER	83	AM-WP-5065HHG-EA83	GASKET CYLINDER
68	AM-WP-5065HHG-EA68	CHOKE HANDLE	84	AM-WP-5065HHG-EA84	VALVE IN
69	AM-WP-5065HHG-EA69	CARBURETOR	85	AM-WP-5065HHG-EA85	NUT HEX
70	AM-WP-5065HHG-EA70	PACKING CABURETOR	86	AM-WP-5065HHG-EA86	BOLT
71	AM-WP-5065HHG-EA71	INSULATOR, CARBURETOR	87	AM-WP-5065HHG-EA87	BOLT
72	AM-WP-5065HHG-EA72	PACKING INSUL ATOR	88	AM-WP-5065HHG-EA88	WASHER DRAIN PLUG
73	AM-WP-5065HHG-EA73	BOLT STUD IN	89	AM-WP-5065HHG-EA89	WIRE CLIP
74	AM-WP-5065HHG-EA74	WASHER	90	AM-WP-5065HHG-EA90	SEAL GUIDE
75	AM-WP-5065HHG-EA75	COVER COMP HEAD	91	AM-WP-5065HHG-EA91	PING
76	AM-WP-5065HHG-EA76	PACKING HEAD COVER	92	AM-WP-5065HHG-EA92	Protective cover
77	AM-WP-5065HHG-EA77	RATATOR VALVE	93	AM-WP-5065HHG-EA93	Starter motor
78	AM-WP-5065HHG-EA78	SEAL GUIDE			
79	AM-WP-5065HHG-EA79	RETAINER VALVE SPRING			
80	AM-WP-5065HHG-EA80	SPRING VALVE			

## PUMP DIAGRAM & PART LIST OF WATER PUMP - GASOLINE



SL NO.	PART NO	DESCRIPTION
1	AM-WP5065-HHG-WP01	CASING
2	AM-WP5065-HHG-WP02	COVERꠔCASING
3	AM-WP5065-HHG-WP03	IMPELLER
4	AM-WP5065-HHG-WP04	SEAL RING
5	AM-WP5065-HHG-WP05	FILTER
6	AM-WP5065-HHG-WP06	TIE-IN,TUBE
7	AM-WP5065-HHG-WP07	TIE-out,TUBE
8	AM-WP5065-HHG-WP08	water block

## INSPECTION & MAINTAINANCE

For safety use, make sure the machine is cleaned every three months. Before working, make sure to inspect the filter and the nozzle and ensure there is no impurity. After working, make sure there is no water in the pump and the hose.

If the machine needs to be repaired in the guarantee period, please return the machine to the shop. You need to provide the certificate of purchase on order to repair or get the substitute.

Before packing, the machine should be cleaned, then use closed packaging, packaging should be firm. Store the machine in dry place.

For transportation safety. The machine should comply with ISTA.

Do not dispose of electrical machines as unsorted municipal waste, use separate collection facilities.

If electrical machines are disposed of in landfills or dumps, hazardous substances can leak into the ground water and get into the food chain, damaging your health and well being.

When replacing old machines with new ones, the retailer is legally obligated to take back your old machine for disposals at least free of charge.



# WARRANTY CARD

## CUSTOMER COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL _____	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____ _____	<div>CUSTOMER SIGN</div>	<div></div>	
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
<div></div>	<div></div>	<div></div>	
I/Will accept the terms and conditions of warranty as in the warranty card			

## DEALERS COPY

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PURCHASERS NAME & ADDRESS _____ _____ _____	<div>CUSTOMER SIGN</div>	<div></div>	
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
<div></div>	<div></div>	<div></div>	
I/Will accept the terms and conditions of warranty as in the warranty card			

## COMPANY COPY

DATE _____	DATE OF DELIVERY _____	DEALERS OFFICIAL SEAL _____	DEALERS SIGN _____
PURCHASERS NAME & ADDRESS _____ _____ _____	<div>CUSTOMER SIGN</div>	<div></div>	
PRODUCT NAME	PRODUCT SERIAL NO.	INVOICE/DN NO.	
<div></div>	<div></div>	<div></div>	
I/Will accept the terms and conditions of warranty as in the warranty card			

1. LIMITED WARRANTY PERIOD : For a period of six months from the date of Sale / delivery of the product which ever is earlier. 2. LIMITED WARRANTY OBLIGATION : Replacement of defective part(s) by authorized dealer are free of charges. If found defective by reasons of defective material / poor workmanship, parts will be replaced and there will be no value re-imbursement. 3. TERMS & CONDITIONS : a. Claims under warranty will be accepted on submission of Warranty Card duly filled and stamped by authorized dealer together with the original purchase document. : b. Shipping / transportation / Incidental charges incurred in replacing defective parts under warranty shall be borne by the purchaser

WARRANTY null & void if  
(i) Lack of maintenance, (ii) Incorrect use of the machine or tampering, (iii) Use of non-genuine spare parts, (iv) Usage of acids, solvents, or any flammable materials, (v) Non-usage of filter water / clear water / soft water & using water above 40°C temperature, (vi) While using the pressure washers to draw water which is contaminated with dust & solvents (eg. paint thinners, gasoline, oil, etc.), (vii) Repair done by unauthorized service people, (viii) Those parts subject to wear & tear due to normal operations and plastic parts, rubber items etc, (ix) Loose connections, faulty electrical fixtures & fluctuations in power supply.  
4. Should any failure occur during or after the warranty period, customer does not have the right to interrupt payment / price discount.  
5. Incidental or consequential damages like inconvenience commercial loss, loss of tie, mental agony etc.  
6. Loss of any nature due to operation or non-operation is not covered under warranty.  
7. All free service are at Dealer's service point only.  
8. Warranty ceases if service is not done periodically.  
9. The attached card should be completed and returned to Ratnagiri Impex Pvt. Ltd. for registration immediately after sale / delivery.  
10. The warranty is void unless you register the warranty card with Ratnagiri Impex Pvt. Ltd.  
11. The decision of Ratnagiri Impex Pvt. Ltd., in settling the warranty is final in all respects.  
12. All disputes are subject to Bangalore Courts Jurisdiction

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**FREE SERVICE COUPON (30DAYS/30HRS. WHICHEVER IS EARLIER)**

MODEL		SERIAL NUMBER	
PDI DATE	SERVICE NO.	PURCHASE BILL NO.	DATE
DEALERS OFFICE SEAL	OPERATIONS		
	<div> 1. Check and test the fuel mixture  3. Check , clean and adjust the spark plug  5. Check and sparken the cutting tools  7. Start and check the noise, vibration, loosen etc.. </div> <div> 2. check and clean the air filter  4. Check and adjust the carburetor tuning  6. Product familiarisation on usage  8. Routine maintenance and shortage. </div>		

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# DOS & DONTs

1. Always read the instruction manual supplied along with the equipments and understand the correct installation and operating procedures before attempting to use the equipments.
2. It is important to use the personal protection equipments such as head helmet with visor, ear defenders, goggles, safety gloves, cut resistant shoes, trousers and jackets while operating potentially dangerous machines
3. Avoid untrained persons using the equipments. Children must not be allowed to handle these equipments
4. Always use genuine spares and accessories in repairs and usage to derive maximum life of the equipments.
5. Always keep the equipments in good working condition to minimize loss of output as well as to reduce the pollution and save the environment
6. Do not use the machine within range of persons unless they wear protective clothing
7. Do not operate the machine when fatigued or under the influence of alcohol or drugs
8. When the machine is running, please maintain a constant water supply. Without water circulation will damage the sealing rings of the machine.
9. For more query kindly contact for our Service Center/Dealer/ franchise

# Agrimate Army For Pest Control

ANY WHERE - ANY TIME - ANY CROP



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**ratnagiri  
impex**  
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