



PETROL WATER PUMP

PPWP-2000 & 3000

OWNERS MANUAL

This manual has been produced by Parker Products Ltd. and should be kept with the product and referenced for operation, maintenance and troubleshooting.

This manual contains an overall description of the product, together with all the necessary information for using the product correctly and safely. It is highly recommended that this manual is read prior to any operation or maintenance of this product. The safety precautions and warnings are to ensure your safety and protect you from harm or damage to the product.

All photographs and drawings in this manual are supplied by Parker Products Ltd. to help you with the operation and maintenance of the product. The information contained in this manual was accurate at the time of production, however Parker Products Ltd. may make modifications to the product without notification. This Table Saw has been designed for personal and private use only.

The product is to be used only for its prescribed purpose, any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

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- **READ THIS MANUAL CAREFULLY BEFORE USING THIS MACHINE.**
- **FAILURE TO FOLLOW SAFETY PRECAUTIONS OR INSTRUCTIONS CAN CAUSE EQUIPMENT DAMAGE**
- **FAILURE TO FOLLOW SAFETY PRECAUTIONS OR INSTRUCTIONS SERIOUS PERSONAL INJURY.**
- **NEVER** use this water pump for any application other than that specified by the manufacturer.
- **NEVER** operate this water pump under conditions not approved by the manufacturer.
- **NEVER** attempt to modify this water pump to perform in any manner not intended by the manufacturer.
- **KNOW HOW** to stop the unit in case of emergency. Be completely familiar with the controls.
- **CAUTION!** Never use this machine if it has been damaged or is in need of replacement parts.
- **ALWAYS** use eye and ear protection.
- **NEVER** operate this machine when you are fatigued, ill or under the influence of alcohol, drugs or medication.
- **ALWAYS** wear heavy, long trousers, boots and gloves suitable for the job.
- **DO NOT** wear loose clothing, jewellery short trousers, sandals or use when barefoot, and secure long hair.
- **ALWAYS** Keep good footing and balance at all times – do not overreach or stand on an unstable support.
- **ALWAYS** have adequate drainage to reduce the possibility of a fall due to slippery surfaces.
- **NEVER** perform maintenance or assembly procedures on this machine when the engine is running.
- **NEVER** touch the coil lead/spark plug with when the machine is in use.
- **NEVER** operate the pump without priming first.
- **NEVER** use hot water with this water pump
- **NEVER** operate this water pump in an explosive atmosphere or near any flammable sources. .
- **ALWAYS** watch out for children, pets, wildlife and always check the working area is safe before proceeding work
- **DO NOT** allow children to operate the water pump at any time.



For safe operation and maintenance symbols are moulded in relief on the machine or shown on a label.



WARNING

To reduce the risk of injury, user must read instruction manual.



GLOVES

Gloves should be worn where appropriate.



EYE & EAR PROTECTION

Approved eye & ear protection should be worn at all times during operation.



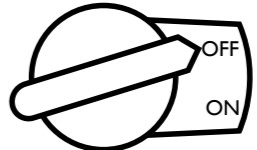
BOOTS

Wear sturdy, non-slip boots.



CLOTHING

Appropriate clothing should be worn during operation. Ensure clothing is made of strong fabric and is not baggy or loose.



ON/OFF

Learn the location of the on off switch and how to operate it correctly in case of emergency.

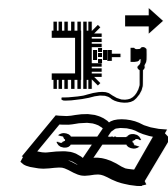
SAFETY SYMBOLS



WARNING! To reduce the risk of injury, user must read instruction manual.



DANGEROUS VOLTAGE



REMOVE SPARK PLUG LEAD BEFORE MAINTENANCE



POISONOUS FUMES - Do not use the generator in an enclosed space.



WARNING! Exhaust gas contains toxic substances. Do not run the engine in closed or poorly ventilated areas.



This symbol, before a safety comment, indicates a **PRECAUTION**, a **WARNING** or a **DANGER**. Ignoring this warning can lead to an accident for yourself or for others. To limit the risk of injury, fire, or electrocution always apply the recommendations indicated.



DANGER! Petroleum spirit is highly flammable. No smoking or naked light.



FLAMMABLE



RISK OF FIRE - Do not add fuel when operating.



EXPLOSION HAZARD



DANGER! Keep away from sources of ignition.



WARNING! For outdoor use only.



DO NOT USE IN THE WET.



HOT SURFACES WILL BURN FINGERS OR PALMS



HOT SURFACES. This pump contains surfaces which may reach a high temperature during operation. Never operate with the motor housing removed.



CONFORMS TO CURRENT SAFETY STANDARDS




WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE. PLEASE RECYCLE WHERE FACILITIES EXIST CHECK YOUR LOCAL AUTHORITY OR RETAILER FOR RECYCLING ADVICE



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

 **IMPORTANT SAFETY INFORMATION**

Most accidents can be prevented if you follow the instructions in this manual and on the pump. The most common hazards are discussed below along with the best way to protect yourself and others.

 The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that **COMMON SENSE AND CAUTION ARE FACTORS WHICH CANNOT BE BUILT INTO THIS PRODUCT BUT MUST BE SUPPLIED BY THE OPERATOR.**


- Read and understand this owner's manual before operating the pump. Failure to do so could result in personal injury or equipment damage.
- This pump is designed to pump only water that is not intended for human consumption. Other uses can result in injury to the operator or to damage to the pump and other property. Pumping flammable liquids, such as petrol 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.
- Know how to stop the pump quickly and understand the operation of all controls. Never permit anyone to operate the pump without proper instructions.


- Do not allow children to operate the pump. Keep children and pets away from the area of operation.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry and long hair can be caught in moving parts.
- Do not operate pump in explosive atmospheres such as in the presence of flammable liquids, gases or dust. The engine creates sparks which may ignite the dust or fumes.
- Petrol is extremely flammable and petrol vapor can explode. Refuel outdoors in a well ventilated area with the pump stopped. Never smoke near petrol and keep other flames and sparks away. Always store petrol in an approved container. If any fuel is spilled make sure the area is dry before starting the pump.
- 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 storing the pump indoors.
- To prevent fire hazards and to provide adequate ventilation for stationary equipment applications keep the pump at least 3 feet away from building walls and other equipment during operation. Do not place flammable objects close to the pump.
- Exhaust gas contains poisonous carbon monoxide. Avoid inhalation of exhaust gas. Never run the pump in a closed garage or confined area.

- Do not overload the pump. use the correct pump for your application. The correct pump will do the job better and safer at the rate for which it is designed
- Save this manual. You will need this manual for the safety warnings and precautions, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

 **BEFORE OPERATION - IS THE PUMP READY TO GO?**

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 a qualified mechanic correct it before you operate the pump.

 **WARNING** - 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 pre-operation inspection before each operation and correct any problem. Before beginning your pre-operation checks be sure the pump is level and the engine switch is in the OFF position.

CHECK THE GENERAL CONDITION OF THE PUMP

- Check for signs of oil or petrol leaks.


- Check all the nuts, bolts, screws are tightened.
- Remove any dirt or debris around the engine, muffler and recoil.
- Look for signs of damage.

CHECK THE SUCTION AND DISCHARGE HOSES

- Check the condition, the hoses must be in a 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 strainer is in good condition and is installed on the suction hose.

CHECK THE ENGINE

- Check the engine oil level. Running the engine with a low oil level can cause engine damage.
- Check the air filter. A dirty air filter will restrict air flow to the carburettor reducing engine performance.
- Check the fuel level. Starting with a full tank will help eliminate or reduce operating interruptions for refueling.

 **WARNING** - Carbon monoxide gas is toxic. breathing it can cause unconsciousness and even kill you. Avoid any areas or actions that expose you to carbon monoxide.

FOR SAFE OPERATION

GENERAL SAFETY INSTRUCTIONS


Water pumps are designed to give safe and dependable service if operated according to instructions. Read and understand this owners manual fully before operating this pump. You can help prevent accidents by being familiar with the pump controls and by observing safe operating procedures.


OPERATOR RESPONSIBILITY

Know how to stop the water pump quickly in case of emergency. Be sure that anyone who operates the water pump receives proper instruction in it's safe use.

CARBON MONOXIDE HAZARDS

Exhaust gases contain poisonous carbon monoxide, a colourless and odourless gas. Breathing carbon monoxide can cause loss of consciousness and may lead to death.

 **NEVER** run this water pump in an enclosed space or partly enclosed space.

 **ALWAYS** ensure a high level of ventilation in the area that you intend to use the water pump to avoid the potential build up of carbon monoxide.

FIRE AND BURN HAZARDS

- The exhaust system gets hot enough to ignite some materials.
- Keep the water pump at least 3 feet (1 metre) away from buildings

and other equipment during operation.


- Do not enclose the water pump in any structure.
- Keep flammable materials away from the water pump.
- 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 storing the water pump indoors.
- Petrol is extremely flammable and is explosive under certain conditions. Do not smoke or allow flames or sparks where the water pump is refuelled or where petrol is stored. Refuel in a well ventilated area with the engine stopped.
- Fuel vapours are extremely flammable and may ignite after the engine has started. Make sure that any spilled fuel has been wiped up before starting the water pump.

PUMP OPERATION


- Do not operate this product without being completely familiar on all safety aspects, functions and most importantly how to stop the engine in an emergency.
- Never use the pump if the stop switch is FAULTY or not functional.
- Do not use the pump indoors; fumes can kill. Only operate in a well ventilated area and at least 1 metre away from buildings.
- Never operate the pump without first priming it fully.


MAINTENANCE

- Never modify the pump in anyway.
- Always maintain the pump in good working order regularly serviced by an authorised service agent.
- Only use replacement parts supplied by the manufacturer.
- Only use fresh, clean and good quality fuel in the engine.
- Never operate the pump without oil.
- Never refuel in close proximity to naked flames, sparks or other sources of ignition, e.g. cigarettes.
- Allow the engine to cool before refuelling and avoid spillage while refuelling.
- Wipe up and correctly dispose of any fuel spillage immediately with a suitable medium.
- Move away from the refuelling areas before restarting the engine.
- Store fuel for short periods only. Store in a container specifically designed for petrochemical applications away from heat and direct sun light.
- After each use clean the pump thoroughly.
- Regularly check external nuts and fixings to ensure vibration caused by normal use has not begun to loosen them.

 **WARNING** - do not operate this machine in any hazardous location Such areas include when there is a risk of an explosion of petrol fumes, leaking gas or explosive dust.

FOR SAFE OPERATION

 **CAUTION** - engine speed has been factory set to provide safe operation Tampering with the engine speed adjustment could result in overheating of attachments and could cause a fire. Never attempt to "speed up" the engine to gain more performance as this will result in the output being thrown out of their standard design parameters, potentially endangering the user and causing irreversible damage to the water pump.

 **NOTE** - protect your water pump This water pump is NOT WEATHERPROOF and should not be exposed to direct sunlight, high ambient temperatures and damp, wet or high humidity conditions.

GENERAL SAFETY IN THE WORKPLACE

Always keep work area clean & tidy. Cluttered work areas invite accidents. Never over-reach. Keep proper footing and balance at all times. Always Keep other persons away. Do not let persons, especially children, touch the pump and keep them away from the work area. Always ensure the workplace is well lit. Ensure that lighting is placed so that you will not be working in your own shadow. Always Dress properly. Loose clothing or other jewellery may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Always wear safety glasses. (Everyday glasses are not safety glasses).

WHAT'S IN THE BOX



- WATER PUMP
MAIN UNIT**
+6.5HP 4 STROKE ENGINE
+FUEL TANK
+STARTER RECOIL
+EXHAUST
+AIR FILTER
+PUMP HOUSING
+INTAKE PORT
+DISCHARGE PORT

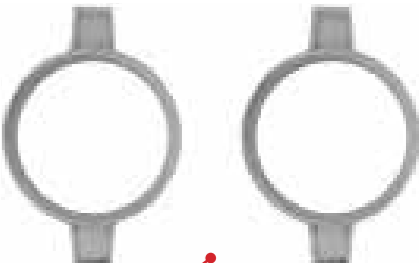
WHAT'S IN THE BOX



**STRAINER
& CAP**



**TUBE
TIE-IN**
x2



**TUBE
LINKER**
x2



**TUBE
CLAMP**
x3



**LINKER
SEAL**
x2

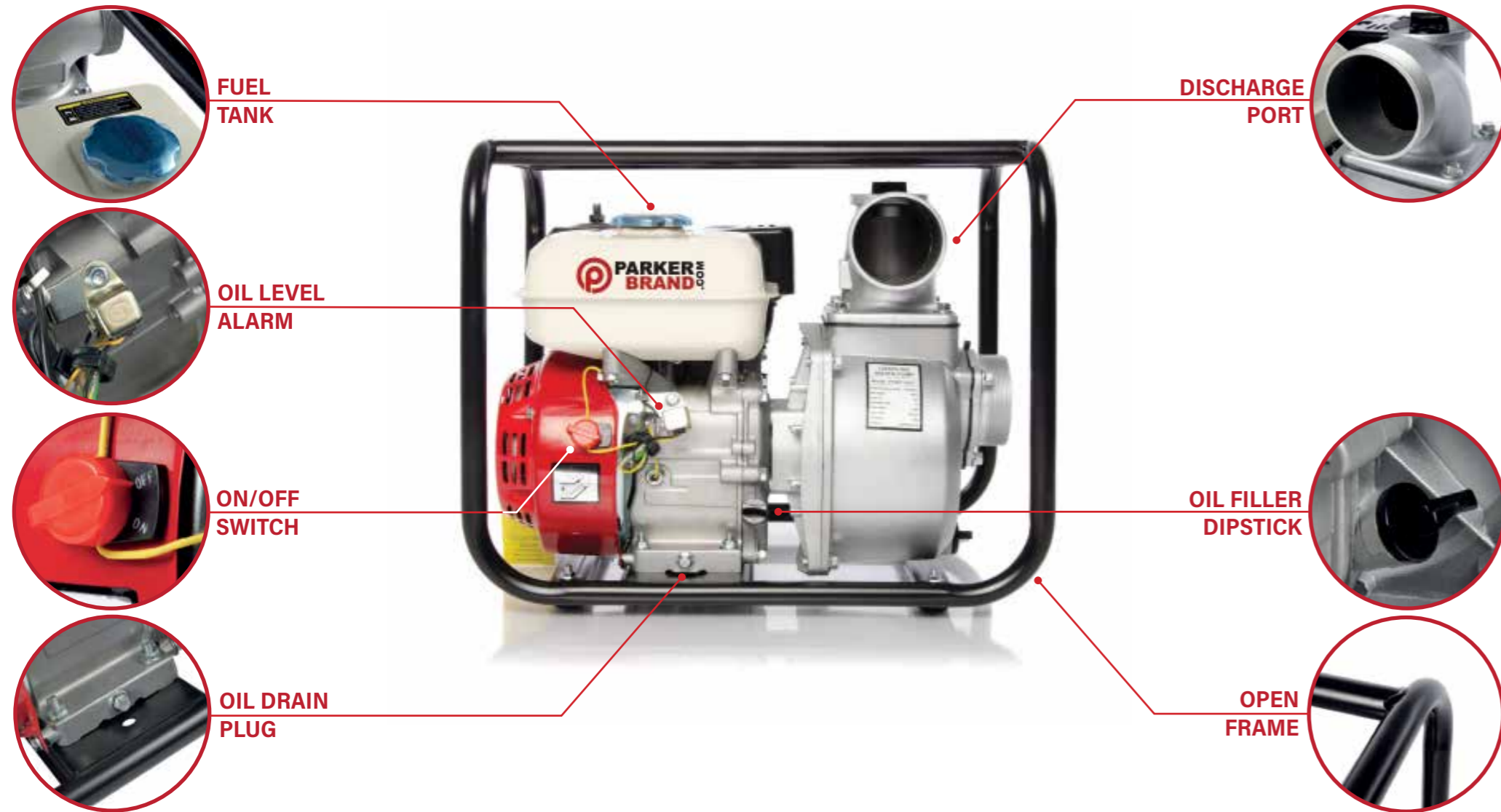


**RUBBER
FEET**
x4



**SPARKPLUG
WRENCH**

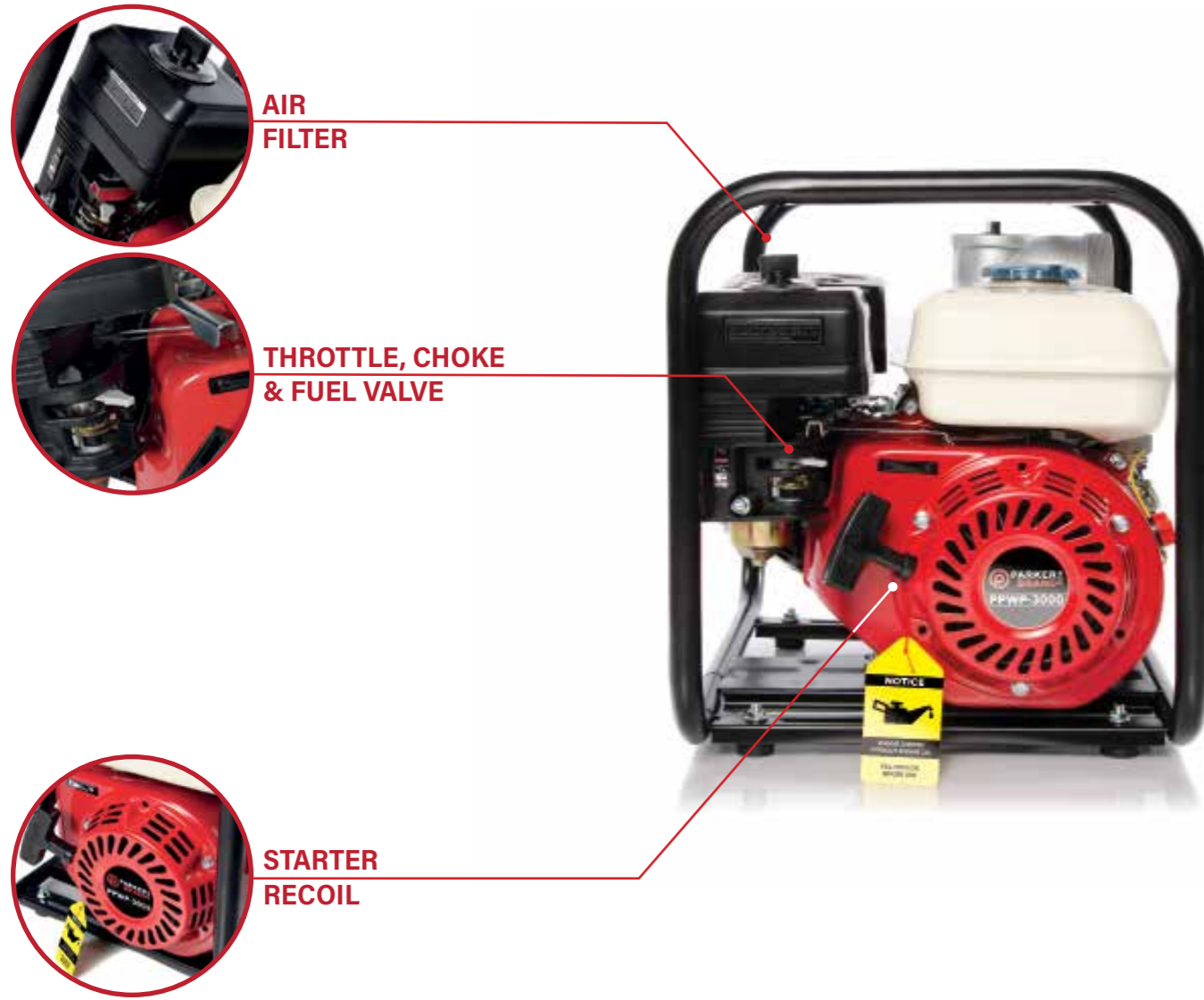
PRODUCT FEATURES



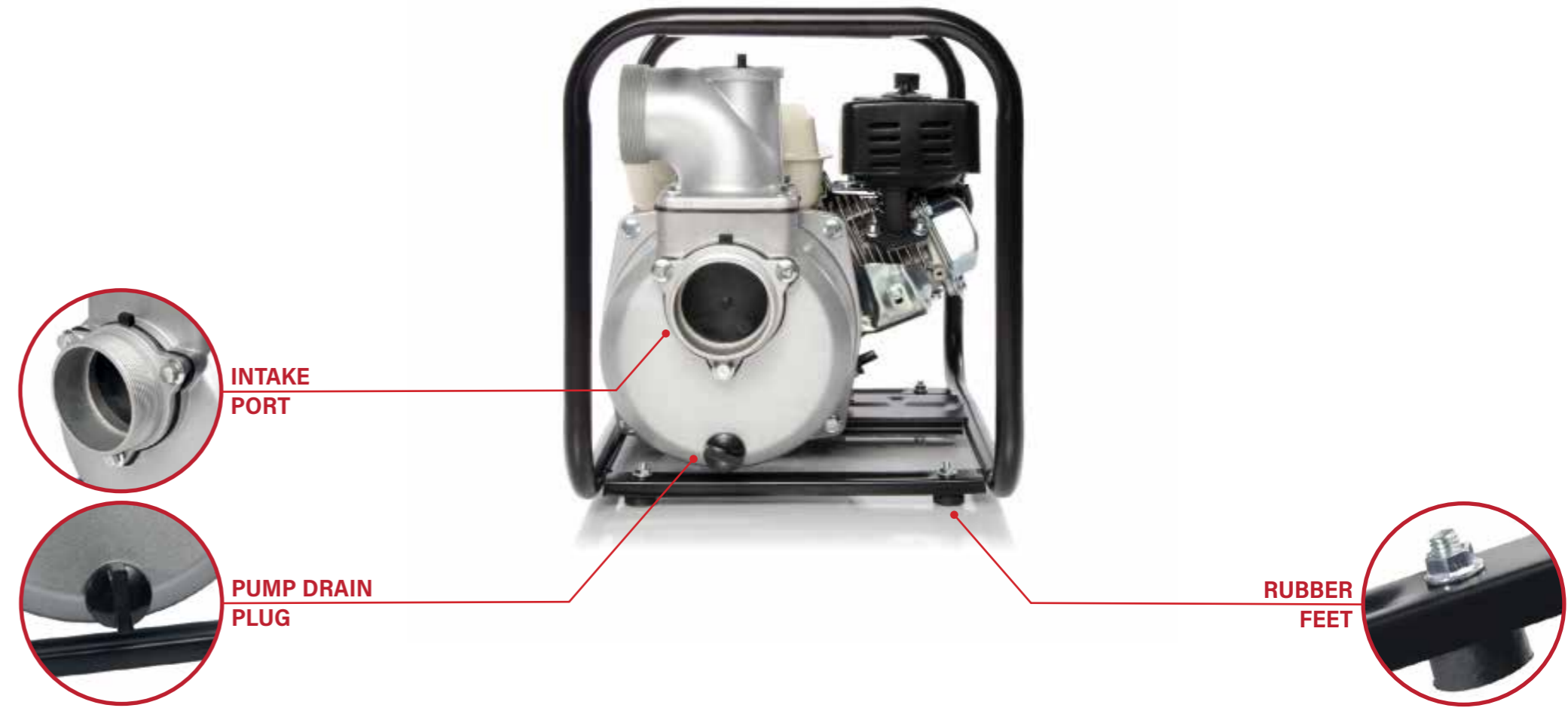
PRODUCT FEATURES



PRODUCT FEATURES



PRODUCT FEATURES





Fully inspect Water Pump before use. Ensure all correct parts are supplied with the product. If any parts are missing/damaged or for support contact ParkerBrand customer services directly on **01507 499198**.

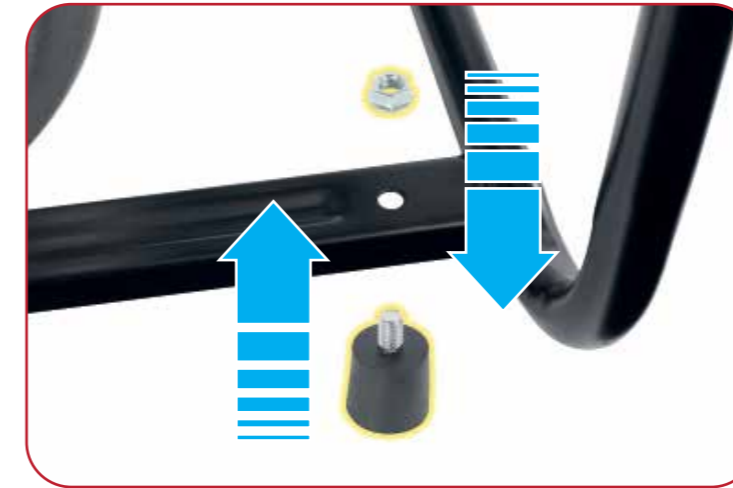
1 INSPECT WATER PUMP



Check the Water Pump is not damaged and all components are in good working order before use. Regular periodic inspection is required to ensure the Water Pump is suitable for the task.

Before using the Water Pump a risk assessment should be carried out respecting the legislation in the country of use.

1 LOCATE RUBBER FEET



Locate the 4 rubber feet and 4 bolts inside the box the water pump arrived in.

2 SECURE RUBBER FEET TO FRAME



Thread the rubber feet through the holes in each corner of the metal frame. Secure the rubber feet in place using the bolts provided. To tighten the bolts use a socket or spanner and turn the bolt in an anti-clockwise direction.

Repeat the process until all 4 of the feet are secured in place.



It is important to fully secure all four of the rubber feet to the water pump frame to provide a level and sturdy base and also to reduce vibration whilst in use.

1

LOCATE FILTER & COVER



Locate both parts of the filter, the filter and the filter cover.

2

ASSEMBLE FILTER & COVER



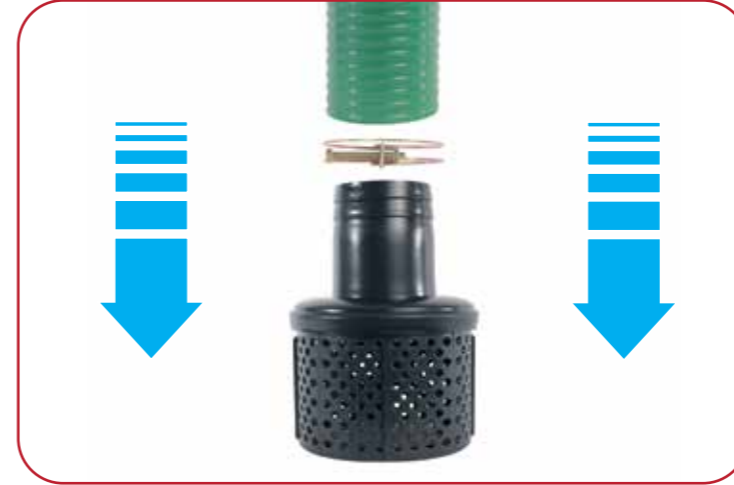
Attach the filter cover to the filter simply by snapping them together.



WARNING! The filter prevents debris from entering the pump. Never operate the pump without the filter attached.
WARNING! Operating the pump without the filter connected can damage the pump beyond repair.

3

ATTACH STRAINER TO HOSE



Attach the suction hose to the filter.

4

TIGHTEN CLAMP TO HOSE

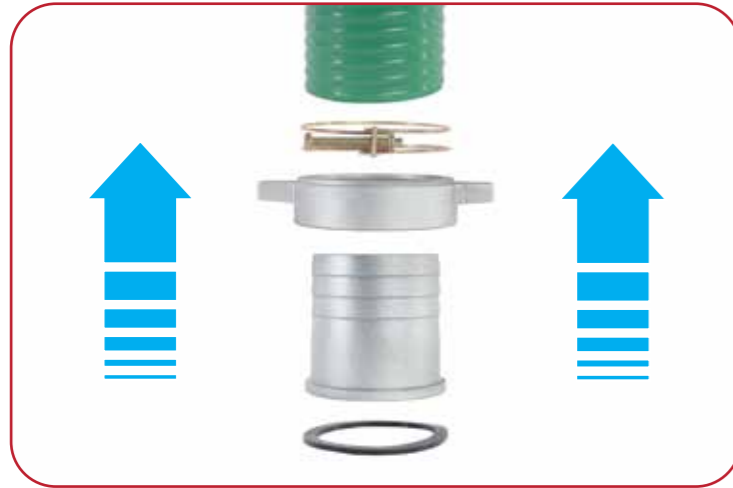


Secure the suction hose to the filter using the tube clamp.



NOTE: The suction hose must be in a serviceable condition before connecting them to the pump.
WARNING! The suction hose must be reinforced construction to prevent hose collapse.

1 ATTACH HOSE TO INTAKE PORT



Attach the suction hose to the tube tie-in as shown in the image above.

2 TIGHTEN CLAMP TO HOSE

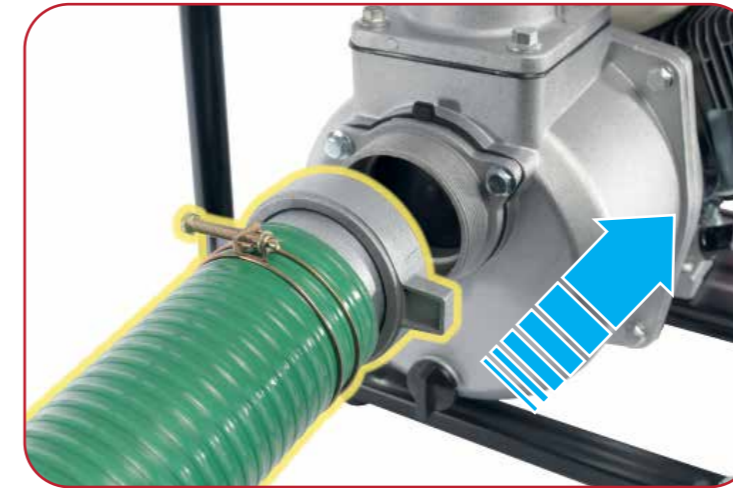


Secure the suction hose on to the tube tie-in using the tube clamp.



NOTE: The sealing washer must be in good condition to seal correctly.
NOTE: If the seal is not air tight it will seriously effect the pumps suction performance.

3 ATTACH HOSE TO INTAKE PORT



The suction hose is now ready to attach to the water pump intake port. Offer the tube linker to the threads on the water pump intake port.

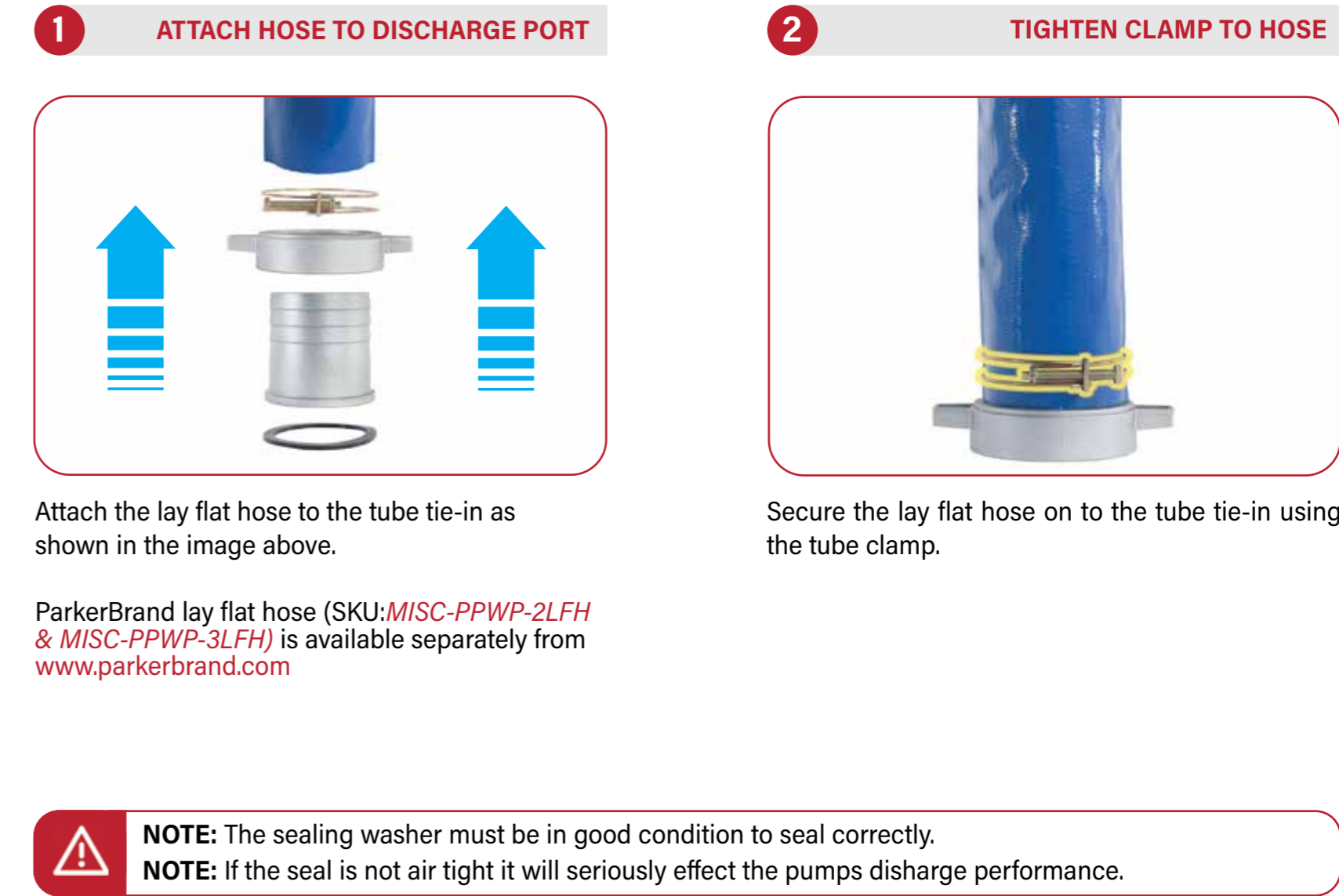
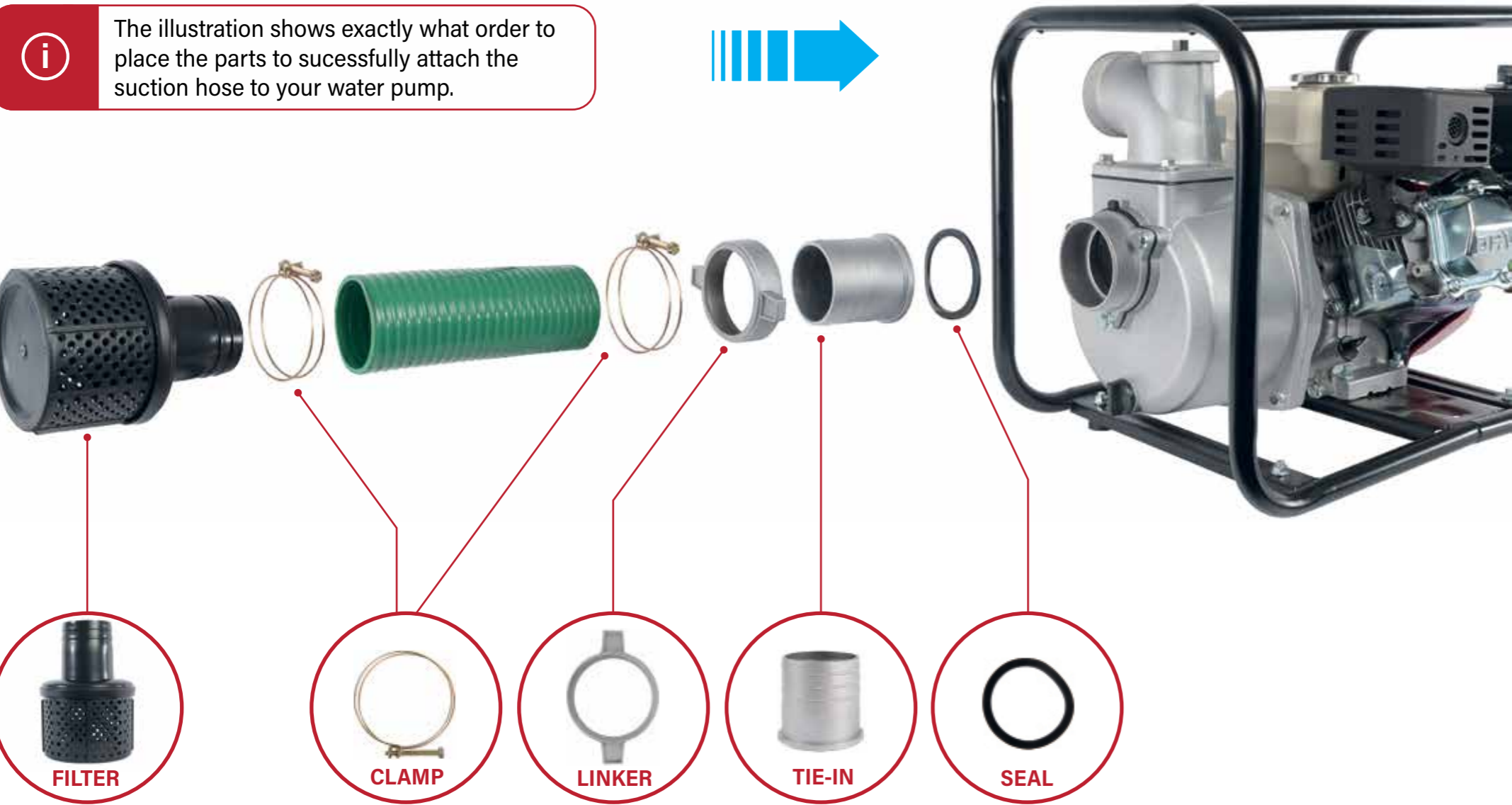
4 TIGHTEN LINKER TO INTAKE PORT



Turn the tube linker in a clockwise direction until the suction hose is secured in place.



To fully seal the connection of the suction hose, tube linker and intake port it may be necessary to use a material such as PTFE tape to fully seal the threads and make the connection air tight.



3 ATTACH HOSE TO DISCHARGE PORT



The lay flat hose is now ready to attach to the water pump discharge port. Offer the tube linker to the threads on the water pump discharge port.



To fully seal the connection of the lay flat hose, tube linker and Discharge port it may be necessary to use a material such as PTFE tape to fully seal the threads and make the connection air tight.

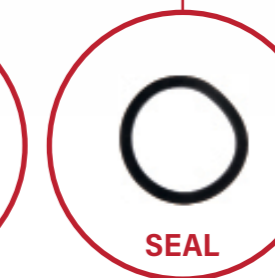
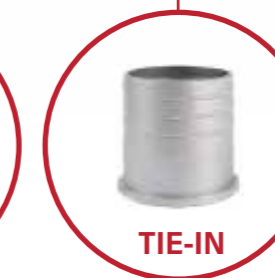
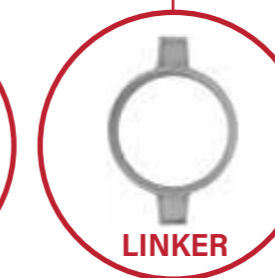
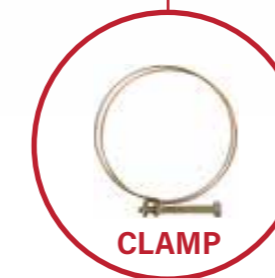
4 TIGHTEN LINKER TO DISCHARGE PORT



Turn the tube linker in a clockwise direction until the lay flat hose is secured in place.



The illustration shows exactly what order to place the parts to successfully attach the lay flat hose to your water pump.

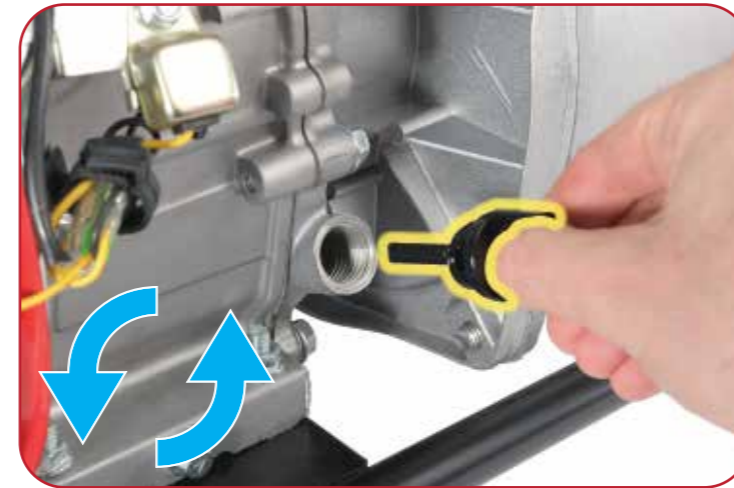


1 LOCATE OIL FILL/DIPSTICK



Locate the oil fill/dipstick near the base of the machine.

2 REMOVE DIPSTICK



Remove the dipstick by turning it in an anti-clockwise direction.



NOTE: This pump is not supplied with any oil within the engine, there is only trace left from testing.
WARNING! You will damage the engine beyond repair if you start it without adding oil to the engine first.

3 CHECK DIPSTICK



Take out the dipstick and clean with a cloth.

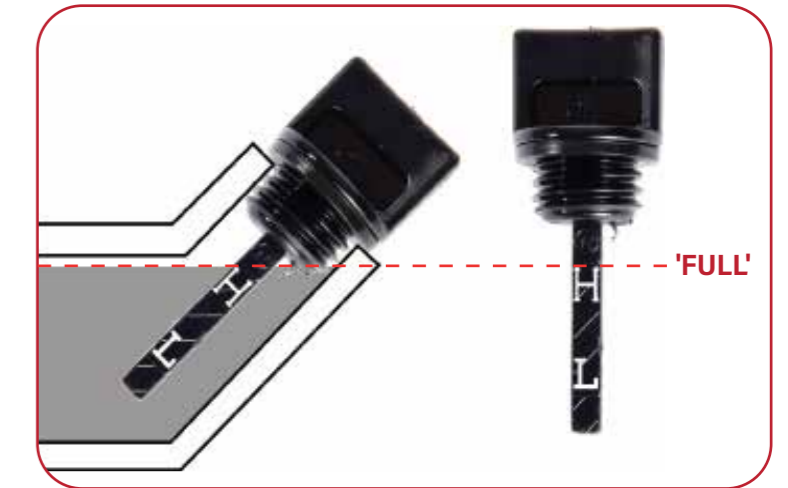
Put the dipstick back into the oil filler tube and then remove it again.

Do not screw it in all the way back in when doing this.



WARNING! To carry out this procedure, place the pump on level ground with the engine switched off.
WARNING! Take care not to touch any hot parts of the pump when checking the oil level.

4 ADD OIL



If the oil is below the 'L' level on the dipstick, fill the oil reservoir to the 'H' level on the dipstick.

Replace the oil filler cap.

We recommend the use of 4 stroke SAE30 oil.
(SKU: *PLO-4STR*) is available separately from
www.parkerbrand.com

PRE-OPERATION

1

REMOVE FUEL CAP



To add fuel, remove the fuel filler cap. Always refuel in a well ventilated area away from any heat sources.

2

CHECK FUEL FILTER



Just inside the fuel tank is a fuel tank filter, check this filter periodically and remove any contaminants which may have accumulated.

3

FILL FUEL TANK



Add fuel to the fuel tank. Leave 5/8 inch (16mm) at the top of the tank for fuel expansion

Replace the fuel filler cap securely.

We recommend the use of standard unleaded petrol. (Maximum 3.6L)



WARNING! Stop the engine and allow the unit to cool down before refuelling.
WARNING! Do not leave fuel within the reach of children.

PRE-OPERATION

1

LOCATE PUMP CHAMBER



Before starting the engine it is important to prime the water pump. Operating the water pump dry will destroy the pump seal.

First Locate the pump chamber filler cap it is located on top of the pump near the discharge port.

2

REMOVE CHAMBER FILLER CAP



Remove the pump chamber filler cap by turning it in an anti-clockwise direction

3

FILL PUMP CHAMBER



Completely fill the pump chamber with water using a hose or any other receptacle you find most suitable.

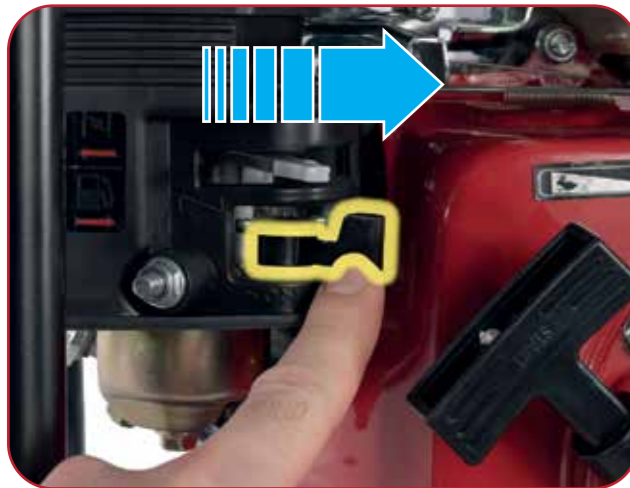
Reinstall the filler cap and tighten it securely.



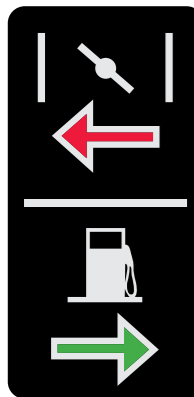
WARNING! Do not start engine without priming the pump first, failure to do so will damage the machine.
WARNING! Operating the water pump dry will destroy the pump seal.

STARTING THE ENGINE

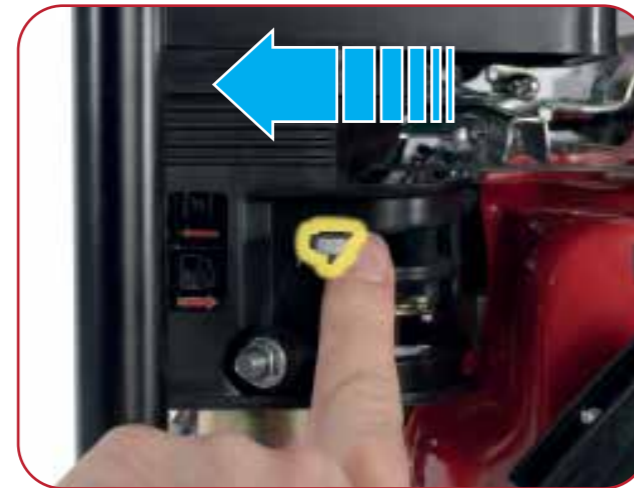
1 FUEL LEVER ON



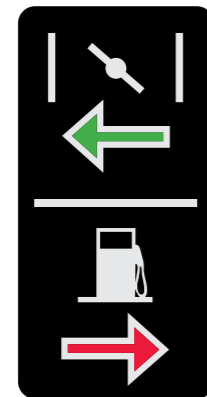
Push the fuel lever to the right (**On position**).



2 CHOKE LEVER

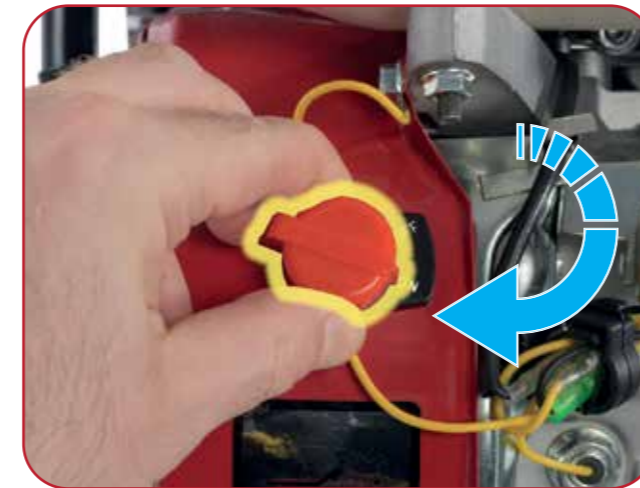


Push the choke lever to the left for start-up.



i Do not use the choke if the engine or air temperature is warm.

3 ON/OFF SWITCH



Turn the power switch clockwise (**On Position**).

4 RECOIL STARTER



Pull the starter recoil gradually until you feel resistance, then make a rapid pull. You may have to repeat this more than once.

Return the starting rope handle gently to prevent damage to the starter assembly. Do not pull the rope all the way out as this can damage the starter assembly

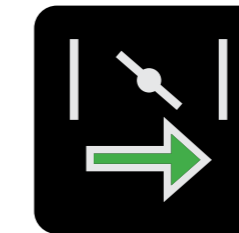


WARNING! Release the starting handle slowly to avoid injury/damage as it retracts

5 CHOKE LEVER



Let the engine idle for a short while to preheat before pushing the choke lever to the right.



6 THROTTLE LEVER



When the pump is in operation, the speed can be adjusted by moving the throttle to the high position (**indicated by a hare**).



There is a stop bracket on the throttle control lever, do not force this bracket as it can damage the engine

STOPPING THE ENGINE

1

SHUTTING DOWN THE PUMP

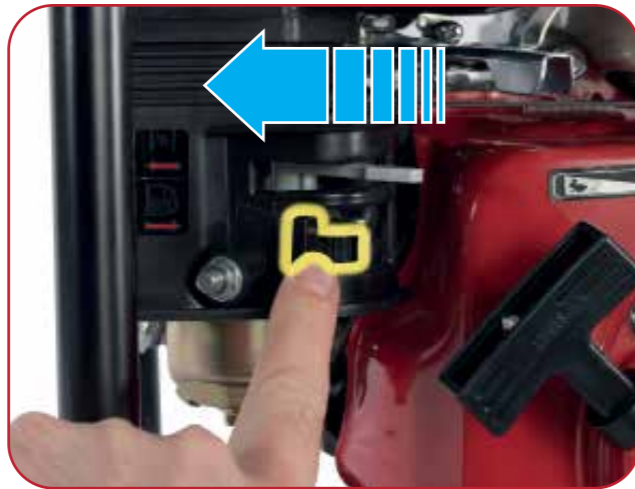


Move the throttle to its slowest position (indicated by a tortoise).



2

SHUTTING DOWN THE PUMP



Move the fuel lever to the left (Off position).

The machine will run until the fuel left in the carburettor has been used.

With the engine stopped, turn the power switch in an anti-clockwise direction (Off position).

3

STOPPING IN AN EMERGENCY



In an emergency turn the power switch in an anti-clockwise direction (Off position) to stall the engine immediately.

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1 DRAIN THE PUMP



After use and before storage it is good practice to drain the pump chamber.

Locate the pump drain plug. To remove the pump drain plug turn it in an anti-clockwise direction.



WARNING! Storing the pump without draining during freezing temperatures can damage the housing.
WARNING! Storing the pump without draining can cause corrosion to the pump housing.

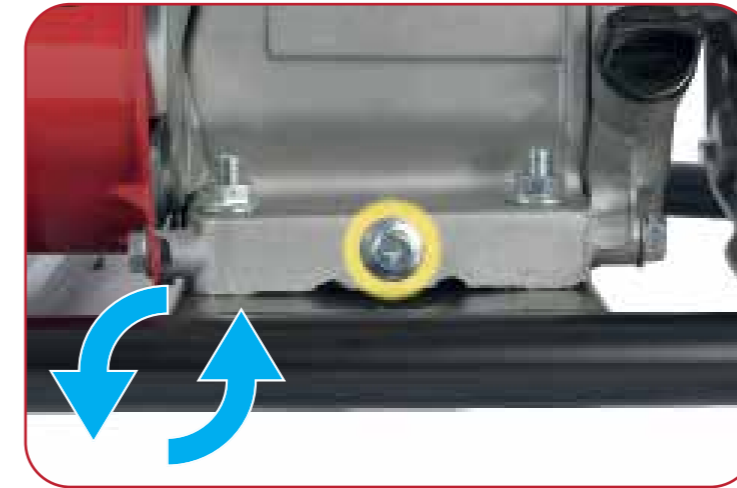
2 REMOVE PUMP DRAIN PLUG



With the pump drain plug fully removed the water will drain from the pump. Once all the water has drained from the pump reinstall the drain plug.

The pump is now ready for storage

1 OIL CHANGE



Locate the oil drain plug at the base of the machine. Use a suitable spanner or socket to loosen the plug by turning it in an anti-clockwise direction.

Make sure you have a suitable container ready to catch the used oil.

2 REMOVE DRAIN PLUG & DRAIN OIL



Remove the plug to allow the engine oil to flow out of the engine. The used oil will drain out through the oil drain hole in the frame.

To refill with oil follow the steps on page 28 & 29.



WARNING! Place used oil in an appropriate container and take it to your local waste disposal site.
WARNING! Do not throw away used engine oil with your domestic rubbish or down drains and sinks.
NOTE: Drain the engine oil when the engine is warm, this will ensure the oil flows out quicker.
CAUTION: Used engine oil is dangerous, always wash your hands thoroughly after handling.

1

AIR FILTER SERVICE



The air filter is located on top of the machine next to the fuel tank.

2

REMOVE AIR FILTER SECURING HANDLE



To access the air filter first loosen the securing nut on top of the filter.

3

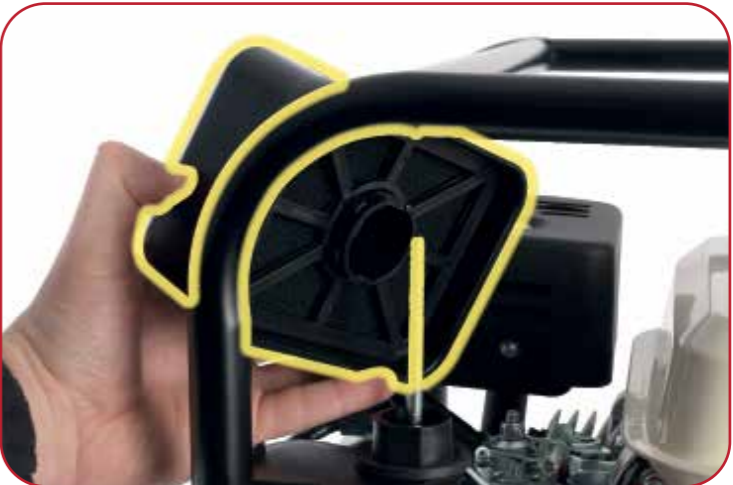
REMOVE AIR FILTER SECURING WASHER



With the securing nut removed now remove the securing washer.

4

REMOVE AIR FILTER FROM MACHINE



The main body of the air filter can now be removed from the machine



WARNING! Do not operate the engine without the air filter in place, this can damage the engine.
WARNING! If the air filter is damaged replace before operating, the filter prevents dirt getting in the engine.
WARNING! Dirt in the engine will cause rapid engine wear.



WARNING! Do not use inflammable solvents or petrol to clean the air filter.



Clean all the air filter components with a damp rag to remove any deposits. Wash the foam filter with warm soapy water, rinse and allow to dry thoroughly.



COVER



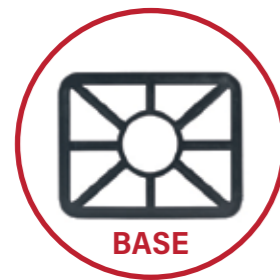
HANDLE



WASHER



FILTER



BASE



1

SPARK PLUG SERVICE



The spark plug cap is located between the airfilter and exhaust.

2

REMOVE SPARK PLUG CAP



Grip the end of spark plug cap and pull firmly. the cover wil pop off and reveal the spark plug.

Clean the area surrounding the spark plug so it is free from any dirt that may have accumulated during use.



WARNING! Do not attempt to remove the spark plug whilst the machine is in use.
WARNING! Ensure the machine is off before proceeding as there is a risk of electric shock.
CAUTION: Allow the engine to cool before removing the spark plug.

3 REMOVE SPARK PLUG



Use the spark plug wrench provided to remove the spark plug.

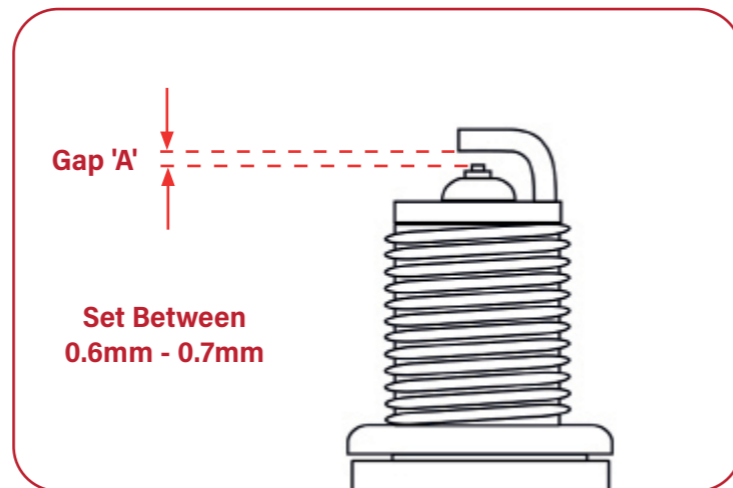
If the spark plug is dirty use a wire brush to clean off any deposits that may have gathered.

inspect the spark plug, replace if the electrode is worn or if the insulator is cracked or chipped.



WARNING! A loose spark plug can overheat and damage the machine.
WARNING! Over-tightening the spark plug can damage the threads in the cylinder head.

4 SET SPARK PLUG GAP



Check the spark plug gap (A), it should be between 0.70 and 0.80 mm, adjust if necessary.

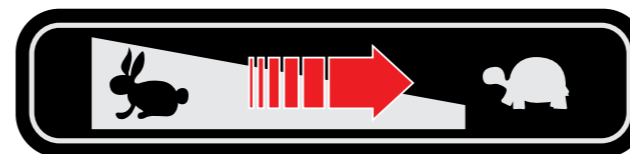
Reinstall the spark plug by hand first then tighten with the spark plug wrench. Do not over tighten.

Attach the spark plug cap to the spark plug.

1 IDLE SPEED ADJUSTMENT



Start the engine outdoors and allow it to warm up to operating temperature. Move the throttle to its slowest position (*indicated by a tortoise*).



There is a stop bracket on the throttle control lever, do not force this bracket as it can damage the engine

2 THROTTLE ADJUSTMENT SCREW



Let the engine idle for a short while to preheat before pushing the choke lever to the right.



WARNING! Do not start engine without priming the pump first.
WARNING! Operating the water pump dry will destroy the pump seal.

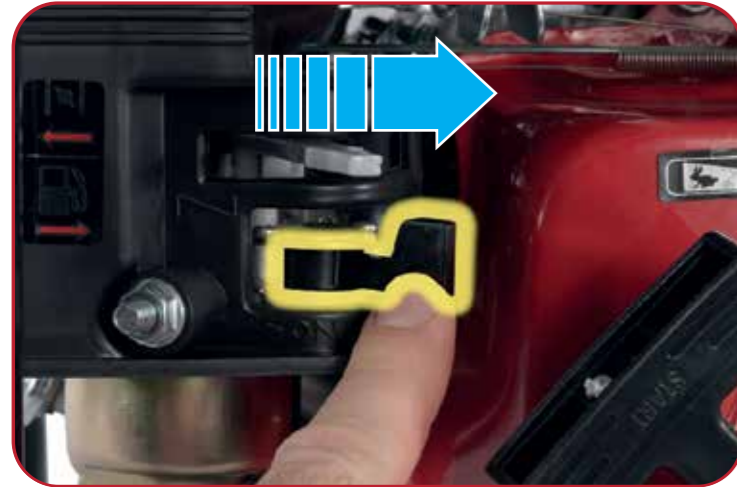
3 ADJUST THROTTLE SCREW



Use a screwdriver to turn the throttle screw to obtain the standard idle speed.

The standard idle speed for this engine is 1,400 rpm.

1 DRAIN THE FUEL TANK



Push the fuel lever all the way to the right (On position)

2 LOCATE FUEL DRAIN



The fuel drain bolt is located on the bottom of the carburettor on the gold bowl.

3 REMOVE FUEL DRAIN BOLT



Remove the fuel drain bolt by turning it in an anti-clockwise direction using a 10mm socket or spanner.

4 DRAIN FUEL



Use a funnel and a suitable container to catch any fuel that is drained from the fuel tank and carburettor.

Once the tank and carburettor is fully drained replace the fuel drain bolt.



WARNING! Always drain fuel in a well ventilated area away from any heat sources.
WARNING! Allow the unit to cool down before draining fuel.




NOTE: Place a suitable container underneath the carburettor when draining to prevent any fuel spillages.


 **STORING THE PUMP**

Proper storage preparation is essential for keeping your pump trouble free and looking good. The following steps will help to keep rust and corrosion from impairing your pump's function and appearance, and will make the pump easier to start when you use the pump again.

 **CLEANING**

1. If the engine has been running, allow it to cool for at least half an hour before cleaning
2. Wash the engine and pump. Wash the engine by hand, and be careful to prevent water from entering the air cleaner or muffler opening. Keep water away from controls and all other places that are difficult to dry, as water promotes rust.

 **NOTE** - Using a garden hose or pressure washing equipment can force water into the air cleaner or muffler opening. Water in the air cleaner will soak the air filter and water that passes through the air filter or muffler can enter the cylinder, causing damage.

 **NOTE** - Water contacting a hot engine can cause damage. If the engine has been running, allow it to cool for at least an hour before washing.

3. Wipe dry all accessible surfaces.
4. Fill the pump chamber with clean, fresh water, start the engine outdoors, and let it run until it reaches normal operating temperature to evaporate any external water.

5. Stop the engine, and allow it to cool.
6. Remove pump drain plug and flush the pump with clean , fresh water. Allow the water to drain from the pump chamber then reinstall the drain plug.
7. After the pump is clean and dry, touch up any damaged paint and coat areas that may rust with a light film of oil. Lubricate controls with a silicone spray lubricant.

 **FUEL**

Petrol will oxidize and deteriorate in storage. Old petrol will cause hard starting and it leaves deposits that clog the fuel system. If the petrol in your engine deteriorates during storage you may need to have the carburettor and other fuel system components serviced or replaced.

The length of time that petrol can be left in your fuel tank and carburettor without causing functional problems will vary with such factors as fuel blend, your storage temperatures and whether the fuel tank is partially or completely filled. The air in a partially filled fuel tank promotes fuel deterioration. Very warm storage/temperature accelerate fuel deterioration. Fuel deterioration problems may occur within a few months or even less if the petrol was not fresh when you filled the fuel tank.


The warranty does not cover fuel system damage or engine performance problems resulting from neglected storage preparation.

You can extend fuel storage life by adding a fuel stabilizer that is formulated for that purpose or you can avoid fuel deterioration by draining the fuel tank and carburettor.

 **ADDING A FUEL STABILIZER TO EXTEND FUEL STORAGE LIFE**

When adding a fuel stabilizer fill the tank with fresh petrol only.


1. Add fuel stabilizer following the manufacturer's instructions.
2. After adding a fuel stabilizer run the engine outdoors for 10 minutes to be sure that the treated petrol has replaced the untreated petrol in the carburettor.

 **NOTE** - Dry operation will damage the pump seal. Be sure the pump chamber is filled with water before starting the engine.

3. Stop the engine and move the fuel valve to the OFF position.

 **DRAINING THE FUEL TANK AND CARBURETTOR**

1. Place an approved petrol container below the carburettor and use a funnel to avoid spilling fuel.
2. Remove the carburettor drain bolt and move the fuel valve lever to the ON position.

 **WARNING** - Petrol is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Keep heat, sparks and flame away.
 - Handle fuel only outdoors.
 - Wipe up spills immediately.
3. After all the fuel has drained into the container reinstall the drain bolt and tighten it securely.

 **ENGINE OIL**

1. Change the engine oil.
2. Remove the spark plug.
3. Pour a tablespoon of clean engine oil into the cylinder.
4. Pull the starter rope several times to distribute the oil in the cylinder.
5. Reinstall the spark plug.
6. Pull the starter rope slowly until resistance is felt and the notch on the starter pulley aligns with the hole at the top of the recoil starter cover. This will close the valves so moisture cannot enter the engine cylinder. Return the rope gently.

 **STORAGE PRECAUTIONS**

If your pump will be stored with petrol in the tank and carburettor it is important to reduce the hazard of petrol vapor ignition. Select a well ventilated storage area away from any appliance that operates with a flame such as a furnace, water heater or clothes dryer. Also avoid any area with a spark producing electric motor or where power tools are operated.

If possible avoid storage areas with high humidity because that promotes rust and corrosion.

Unless all fuel has been drained from the fuel tank, leave the fuel valve lever in the OFF position to reduce the possibility of fuel leakage.

Position the pump so that it is level. Tilting can cause fuel or oil leakage.

With the engine and exhaust system cool, cover the pump to keep out dust. A hot engine and exhaust system can ignite or melt some materials. Do not use sheet plastic as a dust cover. A non porous cover will trap moisture around the engine promoting rust and corrosion.

 **REMOVAL FROM STORAGE**

Check the pump is as described in the PRE-OPERATION chapter of this manual.

If the fuel was drained during storage preparation, fill the tank with fresh petrol. If you keep a container of petrol for refueling be sure that it contains only fresh petrol. Petrol oxidizes and deteriorates over time causing hard starting.

If the cylinder was coated with oil during storage preparation, the engine may smoke briefly at start-up. This is normal.

 **TRANSPORTING**

If the pump has been running allow it to cool for at least 15 minutes before loading the pump on the transport vehicle. A hot engine and exhaust system can burn you and can ignite some material.

Keep the pump level when transporting to reduce the possibility of fuel leakage. Move the fuel valve lever to the OFF position.

CARBURETTOR MODIFICATION FOR HIGH ALTITUDE OPERATION

At high altitude the standard carburettor air-fuel mixture will be too rich. Performance will decrease and fuel consumption will increase. A very rich mixture will also foul the spark plug and cause hard starting. Operation at an altitude that differs from that at which this engine was certified, for extended periods of time may increase emissions.

High altitude performance can be improved by specific modifications to the carburettor. If you always operate your engine at altitudes above 5,000 feet (1,500 meters) have a qualified mechanic perform this carburettor modification. This engine when operated at high altitude with the carburettor modifications for high altitude use will meet each emissions standard throughout its useful life

Even with carburettor modification engine horsepower will decrease about 3.5% for each 1,00 foot (300 Meter) increase in altitude. The effect of altitude on horsepower will be greater than this if no carburettor modification is made.



NOTE - When the carburettor has been modified for high altitude operation the air fuel mixture will be too lean for low altitude use. Operation at altitudes below 5,000 feet (1,500 meters) with a modified carburettor may cause the engine to overheat and result in serious engine damage. For use at low altitudes have a qualified mechanic return the carburettor to original factory specifications.

MAINTENANCE

PART	PROCEDURE	EACH USE	1 MONTH OR 20 HRS	3 MONTHS OR 50 HRS	6 MONTH OR 100 HRS	ANNUALLY OR 300 HRS
Engine Oil	Check Level	X				
	Change		X		X	
Air Filter	Check	X				
	Clean			X	X	
	Replace					X
Sediment Cup	Clean		X		X	
Spark Plug	Check & Adjust	X			X	
	Replace					X
Spark Arrester	Clean	X			X	
Idle Speed	Check & Adjust	X				X

MAINTENANCE

PART	PROCEDURE	EACH USE	1 MONTH OR 20 HRS	3 MONTHS OR 50 HRS	6 MONTH OR 100 HRS	ANNUALLY OR 300 HRS
Combustion Chamber	Clean after every 500 hours					
Fuel Tank & Filter	Clean				X	
Fuel Tube	Check every 2 years (Replace if necessary)					
Impeller	Check					X
Impeller Clearance	Check					X
Pump Inlet Valve	Check					X
Reduction Gear Oil	Check level	X				
	Change		X		X	

TROUBLESHOOTING

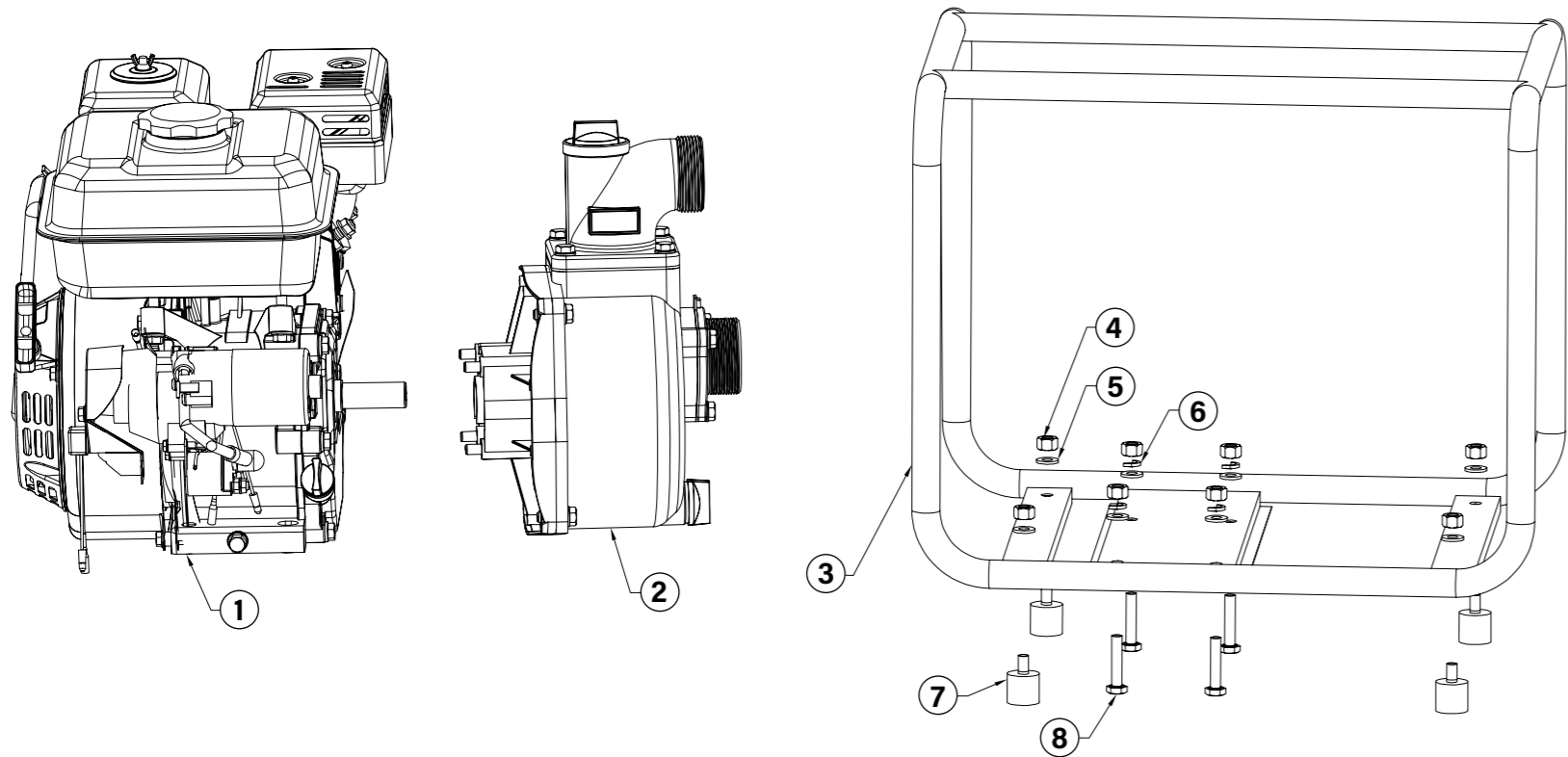
PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
ENGINE WILL NOT START	<i>Fuel valve is 'OFF'</i>	Move fuel valve lever to 'ON'
	<i>Choke 'OPEN'</i>	Move choke lever to 'CLOSED' unless engine is warm.
	<i>Engine switch is 'OFF'</i>	Turn engine switch is 'ON'
	<i>Out of fuel</i>	Refuel.
	<i>Stale fuel (Stored without draining)</i>	Drain stale fuel and replace with fresh fuel
	<i>Spark Plug faulty</i>	Remove spark plug clean, gap, or replace.
	<i>Flooded engine</i>	Remove spark plug, dry and reinstall spark plug.
	<i>Clogged fuel filter, Carburettor malfunction, valves stuck etc</i>	Take engine to a qualified mechanic. Replace or repair faulty parts.
ENGINE LACKS POWER	<i>Air filter clogged</i>	Check air filter, clean or replace.
	<i>Stale fuel (Stored without draining)</i>	Drain stale fuel and replace with fresh fuel.
	<i>Clogged fuel filter, Carburettor malfunction, valves stuck etc</i>	Take engine to a qualified mechanic. Replace or repair faulty parts.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
NO PUMP OUTPUT	<i>Pump not primed</i>	Prime pump.
	<i>Hose collapsed, cut or punctured</i>	Replace suction hose.
	<i>Strainer not completely submerged</i>	Submerge the strainer completely under water.
	<i>Air leak at connector</i>	Replace sealing washer if missing or damaged. Tighten connectors and clamp. Use PTFE tape on the threads of ports.
	<i>Strainer clogged</i>	Clean debris from strainer
	<i>Excessive head</i>	Relocate pump and/or hoses to reduce head
LOW PUMP OUTPUT	<i>Hose collapsed, damaged, too long or diameter too small</i>	replace suction hose/Replace discharge hose..
	<i>Air leak at connector</i>	Replace sealing washer if missing or damaged. Tighten connectors and clamp. Use PTFE tape on the threads of ports.
	<i>Strainer clogged</i>	Clean debris from strainer
	<i>Marginal head</i>	Relocate pump and/or hoses to reduce head

If this does not solve your problem, please contact the ParkerBrand customer service department **01507 499198**.

PPWP-2000 EXPLODED PARTS DIAGRAM & INDEX

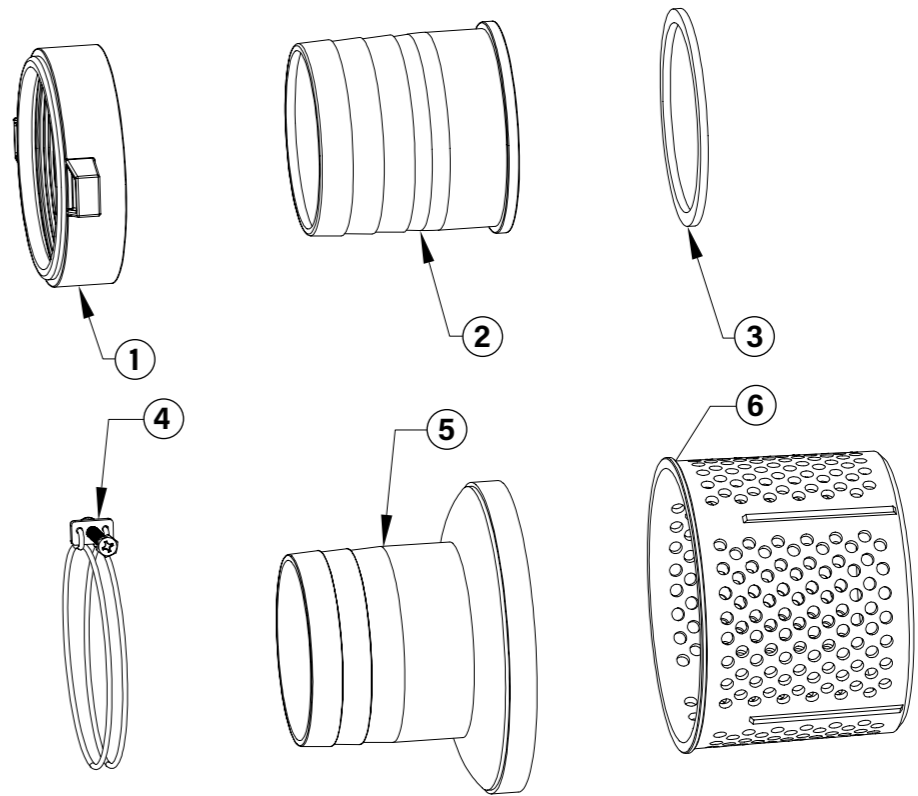


PPWP-2000 PARTS INDEX 'A'

1	COMPLETE ENGINE	3	FRAME	5	8 X 17 X 2 WASHER	7	RUBBER FEET
2	COMPLETE PUMP	4	M8 NUT	6	SPRING WASHER	8	M8 FLANGE BOLT

Illustrations accurate at time of going to print.
Please be aware products and parts may change design without notice.
For a High Resolution copy of this exploded parts diagram please visit www.parkerbrand.com

PPWP-2000 EXPLODED PARTS DIAGRAM & INDEX

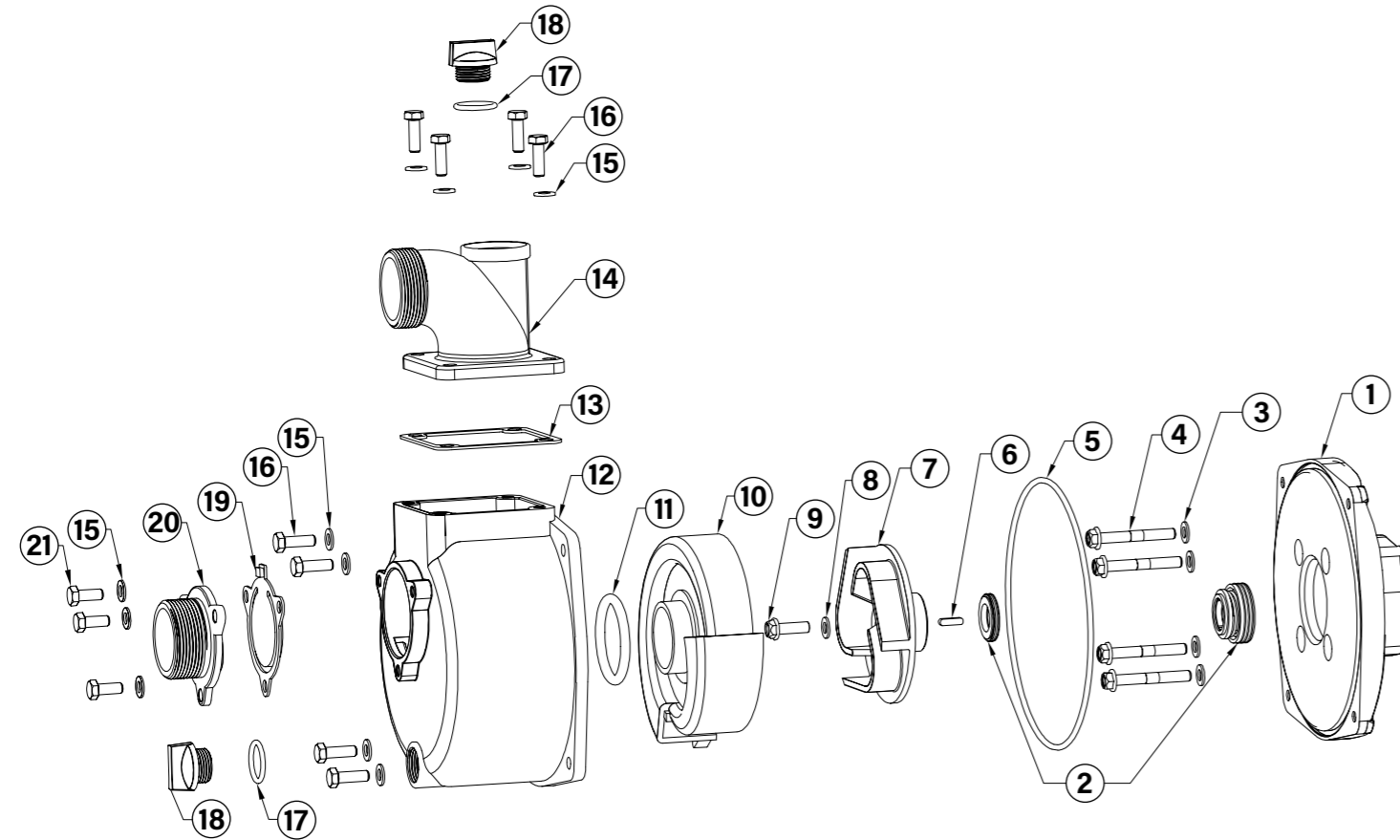


PPWP-2000 PARTS INDEX 'B'

1	LINKER TUBE	3	LINKER SEAL	5	FILTER COVER
2	TIE-IN TUBE	4	TUBE CLAMP	6	FILTER

Illustrations accurate at time of going to print.
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PPWP-2000 EXPLODED PARTS DIAGRAM

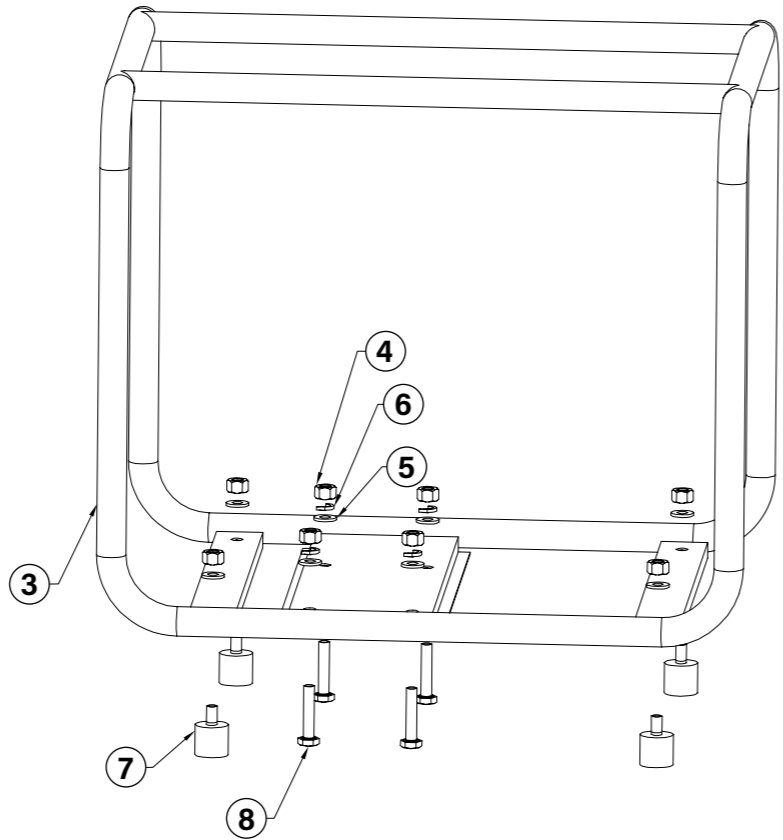
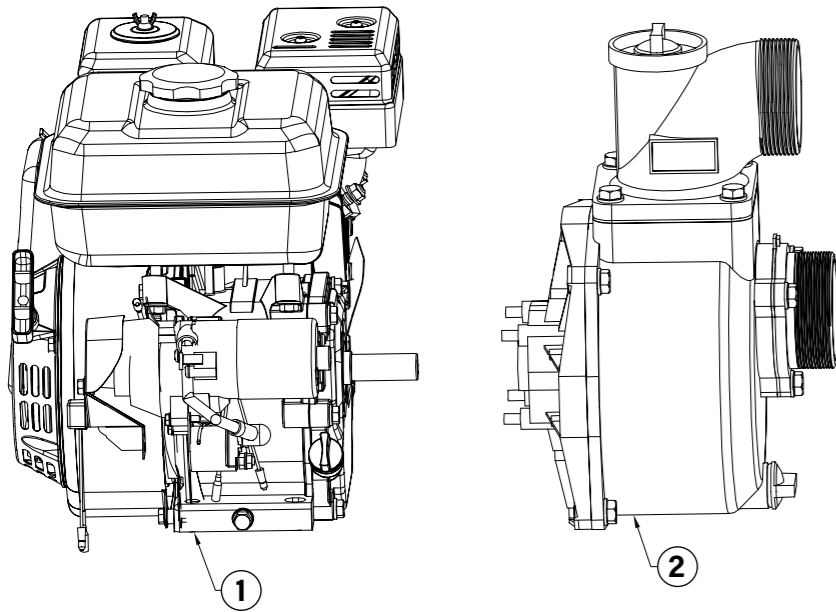


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PPWP-2000 PARTS INDEX

PPWP-2000 PARTS INDEX 'C'											
1	PUMP COVER	5	PUMP COVER O-RING	9	8 X 25 FLANGE BOLT	13	OUTPUT FLANGE SEAL	17	PUMP CHAMBER/ DRAIN PLUG O-RING	21	M8 X 20 FLANGE BOLT
2	MAIN SEAL	6	FLAT KEY	10	VOLUTE CASING	14	OUTPUT FLANGE	18	PUMP DRAIN PLUG CAP	-	-
3	WASHER 16 X 2	7	IMPELLER	11	VOLUTE O-RING	15	8 X 17 X 2 WASHER	19	INTAKE FLANGE SEAL	-	-
4	M8 FLANGE BOLT	8	8.2 X 14 X 1 WASHER	12	PUMP HOUSING	16	M8 X 25 FLANGE BOLT	20	INTAKE FLANGE	-	-

PPWP-3000 EXPLODED PARTS DIAGRAM & INDEX

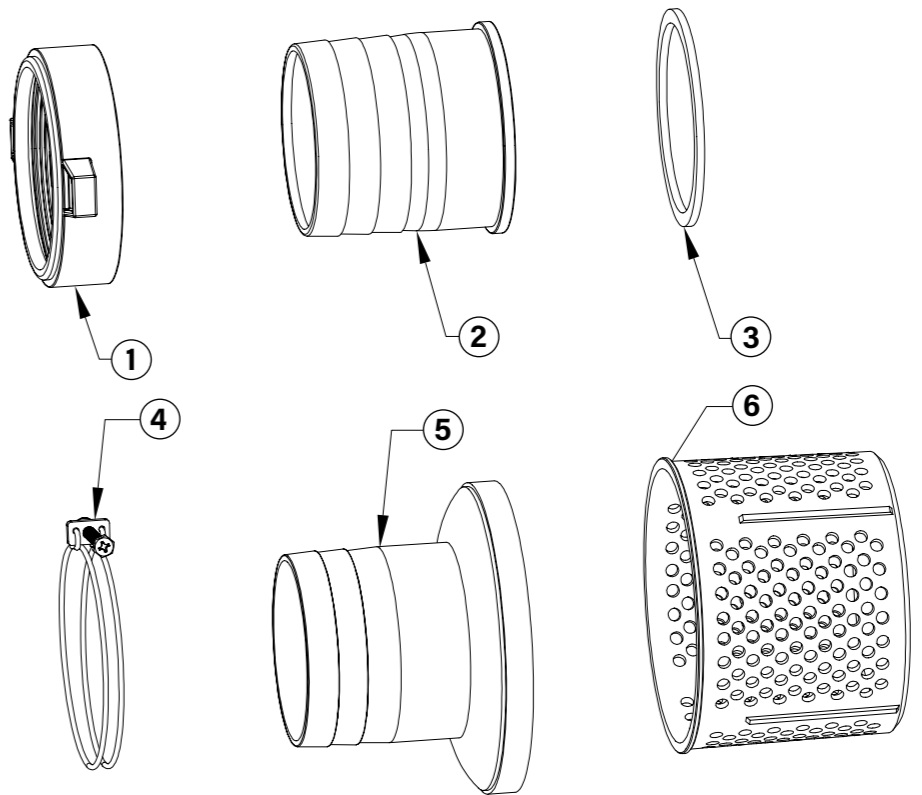


PPWP-3000 PARTS INDEX 'A'

1	COMPLETE ENGINE	3	FRAME	5	8 X 17 X 2 WASHER	7	RUBBER FEET
2	COMPLETE PUMP	4	M8 NUT	6	SPRING WASHER	8	M8 FLANGE BOLT

Illustrations accurate at time of going to print.
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For a High Resolution copy of this exploded parts diagram please visit www.parkerbrand.com

PPWP-3000 EXPLODED PARTS DIAGRAM & INDEX

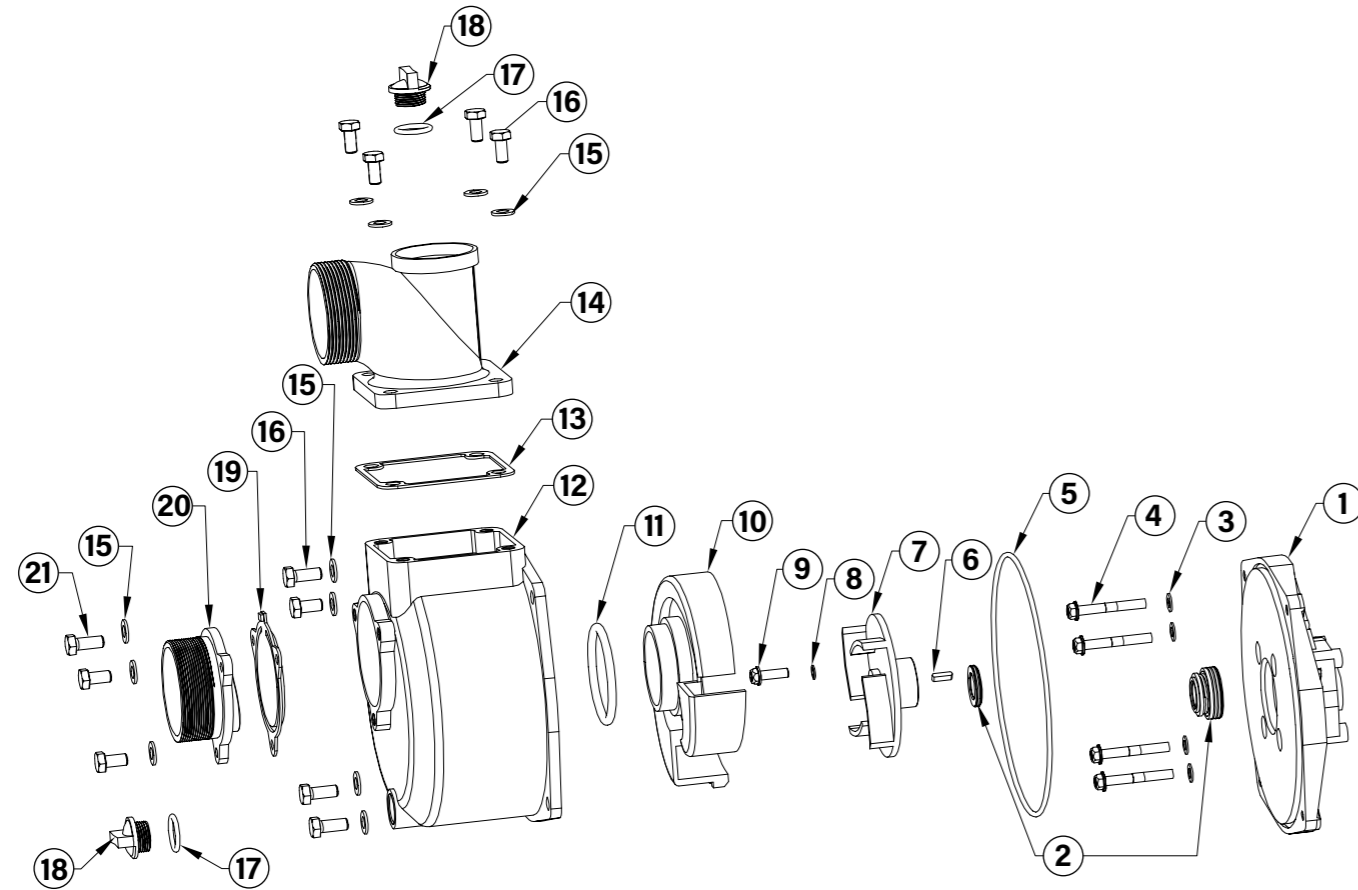


PPWP-3000 PARTS INDEX 'B'

1	LINKER TUBE	3	LINKER SEAL	5	FILTER COVER
2	TIE-IN TUBE	4	TUBE CLAMP	6	FILTER

Illustrations accurate at time of going to print.
Please be aware products and parts may change design without notice.
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PPWP-3000 EXPLODED PARTS DIAGRAM



Illustrations accurate at time of going to print.
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For a High Resolution copy of this exploded parts diagram please visit www.parkerbrand.com

PPWP-3000 PARTS INDEX

PPWP-3000 PARTS INDEX 'C'											
1	PUMP COVER	5	PUMP COVER O-RING	9	8 X 25 FLANGE BOLT	13	OUTPUT FLANGE SEAL	17	PUMP CHAMBER/ DRAIN PLUG O-RING	21	M10 X 20 FLANGE BOLT
2	MAIN SEAL	6	FLAT KEY	10	VOLUTE CASING	14	OUTPUT FLANGE	18	PUMP DRAIN PLUG CAP	-	-
3	WASHER 8 X 16 X 2	7	IMPELLER	11	VOLUTE O-RING	15	10 X 21 X 2 WASHER	19	INTAKE FLANGE SEAL	-	-
4	M8 FLANGE BOLT	8	8.2 X 14 X 1 WASHER	12	PUMP HOUSING	16	M10 X 25 FLANGE BOLT	20	INTAKE FLANGE	-	-

SPECIFICATION

PPWP-2000 TECHNICAL SPECIFICATIONS			
Type	Petrol air cooled 4-Stroke OHV single cylinder	Continuous Operating Time (h)	13
Displacement (cm³)	163	Engine Oil Capacity (L)	0.6
Max. Power Output (hp / rpm)	6.5 / 3600	Guaranteed Sound Power (LWA dB)	65
Ignition Type	Mag	Rated Frequency (Hz)	50
Start System	Recoil	Rated Voltage (V)	220
Suction / Discharge Port (Dia)	2" (50mm)	Rated Power (kW / kVa)	2.0 / 2.5
Max. Capacity	30m³ / h	Maximum Power (kW / kVA)	2.2 / 2.75
Pump Lift	28m	Length (mm)	485
Max. Suction Head	7m	Width (mm)	390
Fuel Tank capacity (L)	3.6	Height (mm)	410
Min. Fuel Consumption (g / kW.h)	360	Unpacked Weight (kg)	22

*All measurements are approximate.
If you require further information please contact ParkerBrand directly

SPECIFICATION

PPWP-3000 TECHNICAL SPECIFICATIONS			
Type	Petrol air cooled 4-Stroke OHV single cylinder	Continuous Operating Time (h)	13
Displacement (cm³)	163	Engine Oil Capacity (L)	0.6
Max. Power Output (hp / rpm)	6.5 / 3600	Guaranteed Sound Power (LWA dB)	65
Ignition Type	Mag	Rated Frequency (Hz)	50
Start System	Recoil	Rated Voltage (V)	220
Suction / Discharge Port (Dia)	3" (80mm)	Rated Power (kW / kVa)	2.0 / 2.5
Max. Capacity	60m³ / h	Maximum Power (kW / kVA)	2.2 / 2.75
Pump Lift	28m	Length (mm)	515
Max. Suction Head	7m	Width (mm)	390
Fuel Tank capacity (L)	3.6	Height (mm)	425
Min. Fuel Consumption (g / kW.h)	360	Unpacked Weight (kg)	24

*All measurements are approximate.
If you require further information please contact ParkerBrand directly

Your machine has been made and assembled with care. In view of this, Parker Products Ltd guarantees your product against defective material or damage for period of a minimum of 12 months from the date of purchase. A proof of purchase must be provided with the product.

If any fault is caused by defective materials or the quality of the build, repair will be carried out free of charge. However, this guarantee does not apply in the case of normal wear and tear. This includes items such as recoils, starting mechanisms, spools, carburettors, blades and the like. Please go to www.parkerbrand.com in order to view the full warranty terms and exemptions from the warranty. Any damage caused by misuse, accident or any repair from an unauthorised agency is absolutely not covered by our warranty.

In case of any fault please contact us directly or return the product to us, Parker Products Ltd, or an authorised repair agent. You can find all contact information on the ParkerBrand website.

In order for you to affect your guarantee you must provide proof of purchase in the form of a dated receipt or invoice within the 12-month period of purchase. If repairs are outside of the warranty period, a quote will be made accordingly.

Description & Function:
Petrol Water Pump

Model/Type:
PPWP-2000, PPWP-3000

Manufacturing Date/Serial Number:
2021

Conforms to the following Directives:

- ☒ Electromagnetic Compatibility Directive (2014/30/EU)
- ☒ 2006/42/EC Machine Directive (MD)
- ☒ 2011/65/EU Restriction of Hazardous substances.
- ☒ Noise Emission Directive by equipment for use outdoors (2000/14/EC+2005/88/EC)
- ☒ The Emission of Gaseous & Particulate Pollutants for Internal Combustion Engines to be Installed in Non-road Mobile Machinery (2006/105/EC)
- ☒ Regulation (EU), Emission of Gaseous Particulates (with amendments) (2016/1628)

and to the harmonised standard have been complied with:

- ☒ EN ISO 12100:2010
- ☒ EN 809+A1:2009
- ☒ EN 55012-2:2007+A1:2009
- ☒ EN 61000-6-1:2007

Conformity Assessment Procedure: 2000/14/EC amended by 2005/88/EC - Annex VI

Noise Related Value - 2.5 kW / 3.5kW
Measured Sound Power Level - LwA: 65dB(A) / LwA: 69dB(A)
Guaranteed Sounds Power Level - LwA: 67dB(A) / LwA: 71dB(A)

Having been type examined to the requirements of the directives by:
TÜV SÜD Product Service GmbH,
Ridlerstraße 65, 80339 München,
Germany.

Notified body number: 0123
Certificate number: N8MA 17 07 93525 026

Manufacturer's authorised representative within the EC:

Parker Products Ltd.
Richmond Park
Richmond Road
Louth
LN11 0FU

Technical file complied by:
Parker Products Ltd.

Being the responsible person appointed by the manufacturer.

Signed:



Date: 29/11/21
Name: Jason Parker
Position: Managing Director
Company: Parker Products Ltd.



PPWP-2000 & 3000

November 2021

Rev 1.0