

# Earthquake<sup>®</sup>

## **OPERATING & PARTS MANUAL**

### **WP4310 43CC WATER PUMP**



OMWP4310  
Rev. 10/23/06  
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## THANK YOU . . .

for purchasing an Earthquake® Water Pump from Ardisam, Inc. We have worked to ensure that our product meets high standards for usability and durability. Please take the time to read this manual carefully to learn how to correctly operate and maintain your water pump. Congratulations on your investment in quality.

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## REGISTRATION

Fill out and mail the registration card located in your Owner's Manual packet. Warranty is valid only if your completed registration card is received by Ardisam, Inc., within two weeks of the purchase date.

Model Number \_\_\_\_\_

Serial Number \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Place of Purchase \_\_\_\_\_

## WARRANTY

### One Year Limited Warranty

The Ardisam, Inc., Manufacturing Company warrants this Earthquake® Water Pump to be free from defects in material and/or workmanship. Conditions of this warranty include:

#### What is covered under warranty:

For the first year from the date of purchase, Ardisam will furnish 100% parts and labor to correct any defect caused by faulty material or workmanship. All repairs made under warranty must have prior approval from Ardisam, Inc.

#### What is not covered under warranty:

This warranty applies only to products which have not been repaired or altered outside our factory. Our warranty covers only defects resulting from normal use and does not cover defects arising from misuse, alteration, negligence, or accident. Items subject to normal wear and tear, due to the nature of their function, are not covered under this warranty. This warranty applies only to the original purchaser and is not transferrable. Any unit used in a commercial application is not covered.

#### How to obtain warranty service:

Call 800-345-6007 for service assistance, or return the product to Ardisam, Inc. at the address below with transportation charges prepaid.

*This warranty supersedes all other warranties either expressed or implied and all other obligations or liabilities on our part. Ardisam, Inc. does not assume and does not authorize any other person to assume for us, any liability in connection with the sale of our products. This guarantee is void unless the warranty card is properly filled out and returned to Ardisam, Inc., Cumberland, Wisconsin, within two weeks of the purchase date*



Earthquake, A Division of Ardisam, Inc.  
1690 Elm Street; P.O. Box 666  
Cumberland, Wisconsin 54829

800-345-6007 · Fax (715) 822-2223  
Email: info@ardisam.com


## OWNER'S RESPONSIBILITY

It is the owner's responsibility to accurately assemble the pump for safe and effective use.

- Read and follow all safety instructions.
- Carefully follow all assembly instructions.
- Maintain the pump according to directions and schedule included in this Earthquake operator's manual.
- Ensure that anyone who uses the pump is familiar with all controls and safety precautions.

## SPECIAL MESSAGES

Your manual contains special messages to draw attention to potential safety concerns, machine damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.

 **CAUTION**  
**Avoid injury! This symbol and text highlight potential hazards or death to the operator or bystanders that may occur if the hazards or procedures are ignored.**

 **IMPORTANT**  
**Avoid damage! This text is used to tell the operator of actions or conditions that might result in damage to the machine.**

**NOTE: General information is given throughout the manual that may help the operator in the operation or service of the machine.**

## IMPORTANT SAFETY PRECAUTIONS

**Please read this section carefully.** Operate the water pump according to the safety instructions and recommendations outlined here and inserted throughout the text. Anyone who uses this water pump must read the instructions and be familiar with the controls.



**This symbol points out important safety instructions which if not followed could endanger your personal safety. Read and follow all instructions in this manual before attempting to operate this equipment.**

- Always keep hands, feet, hair and loose clothing away from any moving parts on engine and pump.
- Do not allow children to operate this pump. Do not allow adults to operate the pump without proper instruction.
- Do not operate any power equipment under the influence of alcohol or drugs.
- Keep all screws, nuts and bolts tight.
- Engine should be turned off and cool, spark plug wire must be removed from spark plug before any repairs are attempted.
- Temperature of muffler and nearby areas may exceed 150° F (65° C). Avoid these areas.
- Never run engine indoors or in an enclosed area. Engine exhaust contains carbon monoxide, an odorless and deadly gas.
- Use only original equipment parts from Ardisam, Inc. including all nuts and bolts.
- Never attempt to operate the pump without priming water.

## ENGINE SAFETY PRECAUTIONS

### Warning Carbon Monoxide Poisoning

All engine exhaust contains carbon monoxide. Carbon monoxide is a deadly, colorless, tasteless, odorless gas which may be present even if you do not smell or see engine exhaust. Levels of carbon monoxide, which can be deadly, can be present for days in an enclosed area that has poor ventilation. Any level of carbon monoxide, if inhaled, can cause headaches, drowsiness, nausea, dizziness, confusion and eventually death. If you experience any of these symptoms, seek fresh air and **medical attention immediately.**

### Preventing Carbon Monoxide Poisoning

- Never run engine indoors or in a confined area.
- Never try to ventilate engine exhaust indoors. Carbon monoxide can reach dangerous levels very quickly.
- Never run engine outdoors where exhaust fumes may be pulled into a building.
- Never run engine outdoors in a poorly ventilated area where the exhaust fumes may be trapped and not easily removed. (Examples include large holes or areas where hills surround your working area.)
- Never run engine in an enclosed or partially enclosed area. (Examples include: buildings that are enclosed on one or more sides, under tents, car ports or basements.)
- Always run the engine with the exhaust and muffler pointed away from the operator.
- Never point the exhaust muffler towards anyone. Bystanders should always be many feet away from the operation of the engine.

### Gasoline Fires and Handling Fuel Safely

Fuel and fuel vapors are highly flammable. Never use fuel where a spark or flame may be present. Never use fuel where a potential source of ignition could occur. (Examples include: hot water or space heaters, clothes dryer, electric motors, etc.) Keep flames and sparks away from engine and fuel to prevent fires. Fuel fires spread very quickly and are highly explosive.

### Prevention of Gasoline Fires

- Always fill fuel tank outside in a well ventilated area with the engine stopped.
- Never remove the fuel cap or add fuel with the engine running. Stop engine and allow to cool before filling.
- Never drain fuel from engine in an enclosed area.
- Always wipe up excess (spilled) fuel from engine before starting. Clean up spilled fuel immediately.
- If fuel spillage occurs, wipe away carefully and allow fuel to dry before starting the engine.
- Allow fuel fumes/vapors to escape from the area before starting engine.
- Test the fuel cap for proper installation before starting and using engine.
- Always run the engine with fuel cap properly installed on the engine.
- Never smoke while refilling engine fuel tank.
- Prevent fire and explosion caused by static electric discharge. Use only nonmetal, portable fuel containers approved by the Underwriter's Laboratory (U.L.) or the American Society for Testing & Materials (ASTM).
- Do not store engine with fuel in fuel tank indoors. Fuel and fuel vapors are highly explosive.
- During storage, screw down gas cap vent screw tightly.
- Never pour fuel from engine fuel tank.
- Never siphon fuel by mouth to drain fuel tank.
- Always have an adult fill the fuel tank.
- Never allow anyone under the influence of drugs or alcohol to fill engine.
- Never allow children to fill the fuel tank.

# SAFETY


## BURNS AND FIRES

The muffler, muffler guard and other parts of the engine become extremely hot during the operation of the engine. These parts remain extremely hot after the engine has stopped.

This engine is designed to operate using a catalytic converter which contributes to the engine's compliance with the EPA.


### Prevention of Burns and Fires


- Never remove the muffler guard from the engine.
- Never touch the muffler guard because it is extremely hot and will cause severe burns.
- Never touch parts of the engine that become hot during and after operation.
- Always keep materials and debris away from muffler guard and other hot parts of the engine to avoid fires.

 **CAUTION**  
**Avoid injury! Hot gases are a normal by-product of a functioning catalytic converter. Follow all safety instructions to prevent burns and fires.**

## OPERATION

### STEPS FOR WORKING ON ENGINE OR PUMP

 **CAUTION**  
**DO NOT Alter/Modify Engine or Pump:**  
**Avoid injury! Never alter or modify the engine from the factory. Serious injury or death may occur if engine is modified or altered.**

 **CAUTION**  
**Avoid injury! When working on or replacing parts for the engine or pump you must always disconnect spark plug wire from the spark plug and keep it away from the spark plug.**

1. Turn off engine switch.
2. Disconnect the spark plug wire from the spark plug.

3. Securely place the disconnected spark plug wire away from the spark plug and any metal parts. This must always be done or arcing may occur between spark plug wire and metal parts.


4. Replace or repair the part on the engine or pump.

5. Check all parts that were repaired, or removed during repair, that they are secure and fit correctly.

**NOTE: All repair parts must come from the factory. Never replace parts that are not specifically designed for the engine or pump.**

6. Replace spark plug wire.

 **CAUTION**  
**Avoid injury! Always wear hearing protection while operating engine.**

 **CAUTION**  
**Avoid injury! Please do not start your water pump until you have read the previous section of this manual. Once completed, follow the steps below to start your pump.**

## PREPARING ENGINE FOR STARTING

### GAS AND OIL

#### Quality

To operate the engine you must use a high quality 2-cycle oil to ensure that the engine operates correctly for the life of the engine. Use unleaded regular, unleaded premium or reformulated automotive fuel only. It may contain up to 10% ethanol, 10% gasohol, 15% MTBE, and 15% ETBE. **DO NOT use Methanol or leaded fuels.**

#### Mixture

Run earth auger with a ratio of 50:1. **DO NOT use marine 2-cycle oil.** See chart below.

<u>GAS</u>	<u>OIL</u>	<u>RATIO</u>
1 gallon	2.5 ounces	50:1
2 gallons	5 ounces	50:1
5 gallons	13 ounces	50:1

# OPERATION

## MIXING FUEL AND FILLING FUEL TANK

**CAUTION**  
 Avoid injury! Never store engine with fuel in the tank indoors. Fuel and fuel vapors are highly flammable.

**CAUTION**  
 Avoid injury! Never mix fuel and oil directly in engine fuel tank. Use only nonmetal, portable fuel containers approved by the Underwriter's Laboratory (U.L.) or the American Society for Testing & Materials (ASTM).

**CAUTION**  
 Avoid injury! An adult must always handle and fill the engine with fuel.

### Mixing Fuel

1. Fuel must be mixed in a container outside in a well ventilated area.
2. Fill certified fuel container 1/4 full of recommended fuel.
3. Add recommended amount of 2-cycle oil. **DO NOT use 2-cycle marine oil.**
4. Screw on container cap straight and tight.
5. Shake the container to mix fuel and oil.
6. Unscrew cap slowly to vent. Add the remainder of fuel requirements.
7. Wipe away any spilled fuel or oil and allow to evaporate before moving or transporting.

**CAUTION**  
 Avoid injury! Always handle gas in a well ventilated area, outdoors, away from flames or sparks.

**IMPORTANT**  
 This engine uses a gas/oil mixture. **DO NOT run on straight gas only, engine damage will result.**

### Filling Fuel Tank

1. Shut-off engine and allow engine to completely cool before refilling the fuel tank.
2. Move to a well ventilated area or outdoors away from flames and sparks.
3. Clean debris from area around the fuel cap.
4. Loosen fuel cap slowly. Place the cap on a clean, dry surface.
5. Carefully add fuel without spilling.
6. Do not fill gas tank completely full allowing space for fuel to expand.
7. Immediately replace fuel cap and tighten. Wipe off spilled fuel and allow to dry before starting engine.

**CAUTION**  
 Avoid injury! **DO NOT start engine if fuel is spilled. Wipe off excess fuel and allow to dry. Remove engine from area to avoid sparks.**

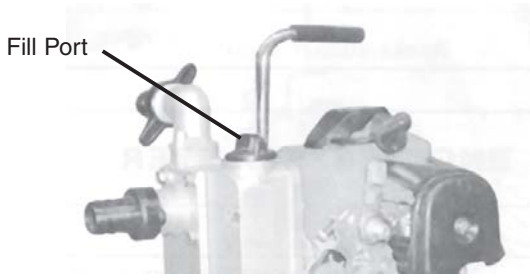
## ASSEMBLY

1. Connect the suction hose to water pump inlet and the discharge hose to pump outlet using provided hose clamps.
2. Attach suction screen to inlet hose.

**NOTE: 1" suction hose is required.**

## NORMAL OPERATION

1. Always prime water pump fully with water before starting engine. Loosen the filler cap and fill the pump with priming water.



# OPERATION

## STARTING AND STOPPING ENGINE

1. Move engine to a well ventilated area or outdoors to prevent carbon monoxide poisoning.
2. Move to an area away from flames or sparks to avoid ignition of vapors if present.
3. Remove all debris from air cleaner holes and fuel cap to ensure proper air flow.
4. Turn switch to the **ON** position.

### 5. Priming:

- When using the primer bulb, allow the bulb to return completely to its original position between pushes.
- Choke must be in the **OFF or RUN** position when pushing or using the primer bulb.

**First Start:** Starting new engine for the first time or after running out of gas, prime 3 times.

**Cold Start:** Starting engine after it has been sitting or stored briefly with fuel in the tank, prime 1 time above 55° Fahrenheit or 2 times below 55° Fahrenheit.

**Warm Start:** Do not use primer or full choke if engine did not run out of gas or has not cooled completely. Flooding of engine will occur.

### 6. Choke:

- **Full choke** position is defined by moving the choke lever as far to the **ON or CHOKE** position as possible. **Half choke** is defined when the choke lever is between **ON or CHOKE and OFF or RUN**.

**First Start & Cold Start:** After priming, move choke lever to full choke.

**Warm Start:** No choke or half choke is needed.



**CAUTION**

Avoid injury! Starter rope can cause an unanticipated jerk towards engine. Please follow instructions to avoid injury.

7. Grasp starter handle and pull out slowly, until tension increases. Without letting handle retract, pull rope with a rapid full arm stroke. Let rope return to its original position very slowly. Repeat this step every time the starter rope is pulled.

8. Pull recoil until engine fires or runs.

**NOTE: If engine fails to start after 5-6 pulls, push primer 1 time and pull starter rope again.**

9. After engine starts running, move choke lever to **HALF CHOKE**.

10. Move choke lever to **OFF or RUN** position and move throttle to desired speed.



**CAUTION**

Avoid injury! If engine fails to start after the above operations, please contact Ardisam, Inc. at 800-345-6007.

### DO NOT attempt to start engine in the following ways:

- **DO NOT use starting fluid.**
- **DO NOT spray flammable liquids or vapors into air cleaner, carburetor or spark plug chamber.**
- **DO NOT remove spark plug and pull on starter rope. Flammable fuel can spray out & ignite from a spark caused by the spark plug.**



**CAUTION**

Avoid injury! Never leave engine running while unattended. Turn off after every use.



# MAINTENANCE AND STORAGE

**CAUTION**  
 To prevent accidental starting:  
 Avoid injury! Engine must be turned off and cool, and spark plug wire must be removed from spark plug before checking and adjusting engine or equipment.

**CAUTION**  
 Avoid injury! Temperature of muffler and nearby areas may exceed 150° F (65° C). Avoid these areas.

**CAUTION**  
 Avoid injury! Check pump often for loose nuts and bolts. Keep these items tightened.

## PUMP MAINTENANCE

1. Keep all screws, nuts, and bolts tight.
2. For cold weather operation, store the unit in a cool environment. Transferring the unit from a warm to a cold area can cause build up of harmful condensation.

## ENGINE MAINTENANCE

**CAUTION**  
 Avoid injury! Never store engine with fuel in the tank inside a building. Potential sparks may be present for ignition of fuel and fuel vapors.

**CAUTION**  
 Avoid injury! An adult must always do maintenance and repair on engine and attachments.

**CAUTION**  
 Avoid injury! Engine must be shut-off, cool, and spark plug wire removed before any repair or maintenance can be done.

### Cooling Fins

- Cooling fins, air inlets and linkages must be free from any debris before each use.

### Air Filters

- Never run engine without air cleaner properly installed. Added wear and engine failure may occur if air cleaner is not installed on engine.
- Service air cleaner every 3 months or after 20 hours of operation. **Clean more frequently if engine is operated in extremely dusty conditions.**

### Steps for Cleaning Air Filters

**IMPORTANT**  
 Never twist air filters when cleaning. Always press.

1. Wash in warm water with mild soap until dirt and debris are removed. Press filter when washing, do not twist.
2. Rinse in warm water until soap and dirt are removed.
3. Dry filter by wrapping in a clean cloth and pressing filter until it is dry.
4. Apply oil to the entire filter.
5. Remove excess oil.
6. Attach the filter and filter cover to the engine.

### Spark Plug

- Check spark plug every 50 operating hours.
1. Remove dirt and debris around the spark plug before removing.
  2. Remove spark plug and replace if any of the following have occurred: pitted electrodes, burned electrodes, cracked porcelain, or deposits around the electrodes.
  3. Check spark plug for proper gap (.025" to .030").
  4. After analysis of the spark plug, install original or a new spark plug and tighten securely.

**NOTE: DO NOT OVERTIGHTEN!**

**NOTE: CROSS REFERENCE SPARK PLUG IS A CHAMPION CJ8.**

### Carburetor

- Never tamper with factory setting of the carburetor.



# MAINTENANCE AND STORAGE

## TRANSPORTING YOUR WATER PUMP


1. Never transport engine inside an enclosed space or vehicle. Fuel or fuel vapors may ignite causing serious injury or death.
2. If fuel is present in the fuel tank, transport in an open vehicle in an upright position.
3. If an enclosed vehicle must be used, remove gas into an approved red gasoline container. **DO NOT SIPHON BY MOUTH.**
4. Run engine to expand fuel in the carburetor and fuel tank. Always run engine in a well ventilated area.
5. Wipe away any spilled fuel from engine and pump. Allow to dry.


## LONG TERM STORAGE

- If your pump will not be used for more than one month, prepare it for long term storage.

### Steps for Long Term Storage

1. Add fuel stabilizer before storing for long periods of time.
2. Run engine for 10-15 minutes to ensure that the stabilizer reaches the carburetor.
3. Remove the remaining fuel from the gas tank into an approved fuel container.
4. Drain water from pump if storing in temperatures below freezing.

 **CAUTION**  
Avoid injury! To avoid injury or death, never siphon fuel by mouth.

 **CAUTION**  
Avoid injury! Never store water pump with fuel in the fuel tank inside an enclosed area or building.

5. Store in an upright position.
6. Remove all debris from engine and water pump.

## SERVICE INFORMATION

**IMPORTANT**

**IN CASE OF A SERVICE PROBLEM, DO NOT SEND UNIT BACK TO RETAILER. CONTACT ARDISAM, INC. AT 800-345-6007. WE WELCOME YOUR CALL.**

*At Ardisam, we build quality and durability into the design of our products. No amount of careful design by us, and careful maintenance by you, can guarantee a repair-free life for your water pump. Most repairs will be minor and easily fixed by following the suggestions in the troubleshooting guide in this section.*

*The guide will help you pinpoint the causes of common problems and identify remedies.*

*For more complicated repairs you may want to rely on your retailer, an authorized mechanic or Ardisam, Inc. (contact your retailer for a list of authorized mechanics in your area). A parts catalog is included in this section.*

*We will always be glad to answer any questions you have or help you find suitable assistance. To order parts or inquire about warranty, call or write us at the address found in the next column under the section ordering repair parts.*

## ORDERING REPAIR PARTS

Parts can be obtained from the store where your water pump was purchased or direct from the factory. To order from the factory, call or write to:



**Ardisam, Inc.**  
**1690 Elm Street; P.O. Box 666**  
**Cumberland, Wisconsin 54829**  
**800-345-6007 · Fax (715) 822-2223**  
**Email: [info@ardisam.com](mailto:info@ardisam.com)**

Please include the following information with your order:

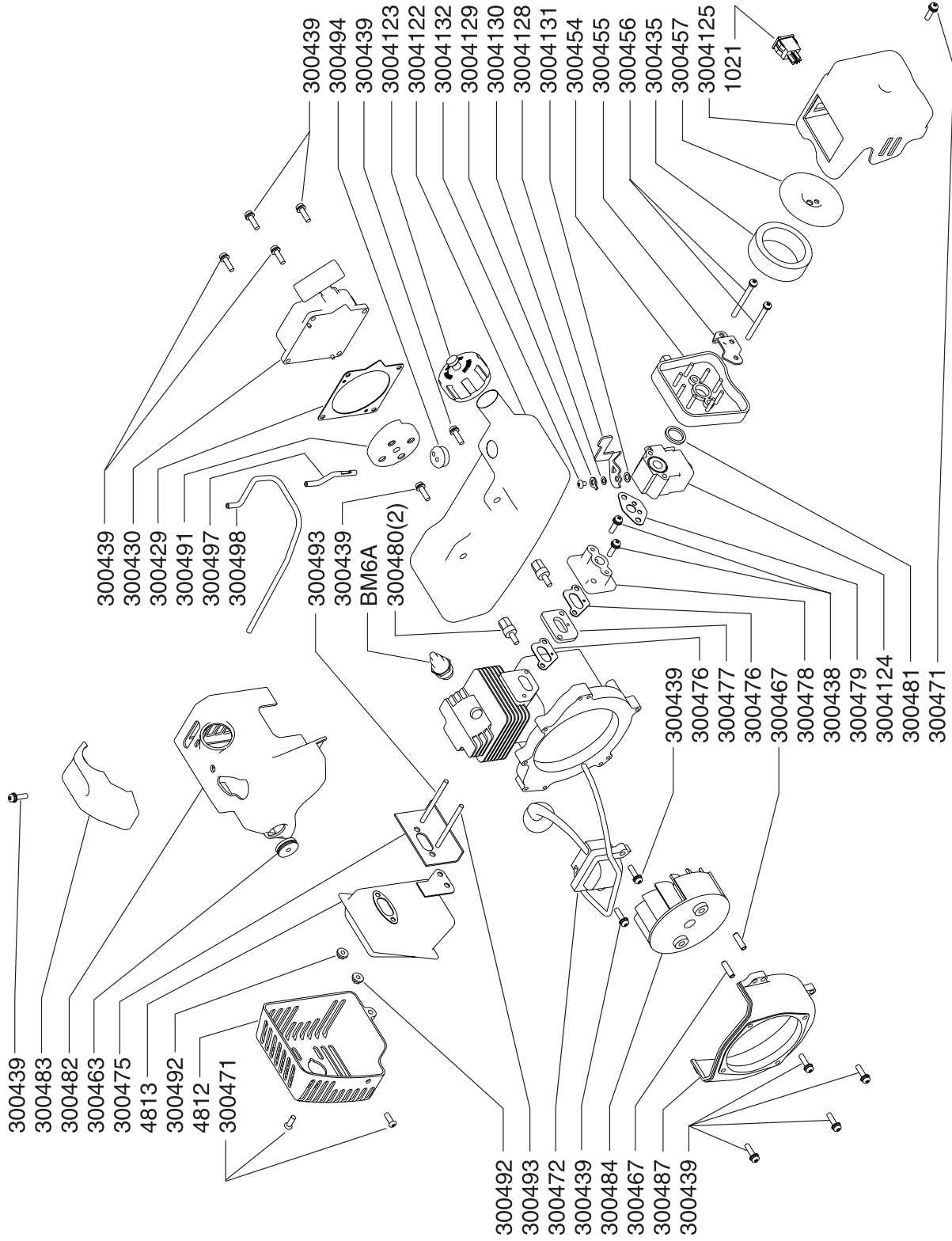
1. Part numbers
2. Part description
3. Quantity
4. Model number and serial number

**⚠ CAUTION**  
**Practice safety at all times. Engine must be turned off and allowed to cool, and spark plug wire must be disconnected before attempting any maintenance or repair.**

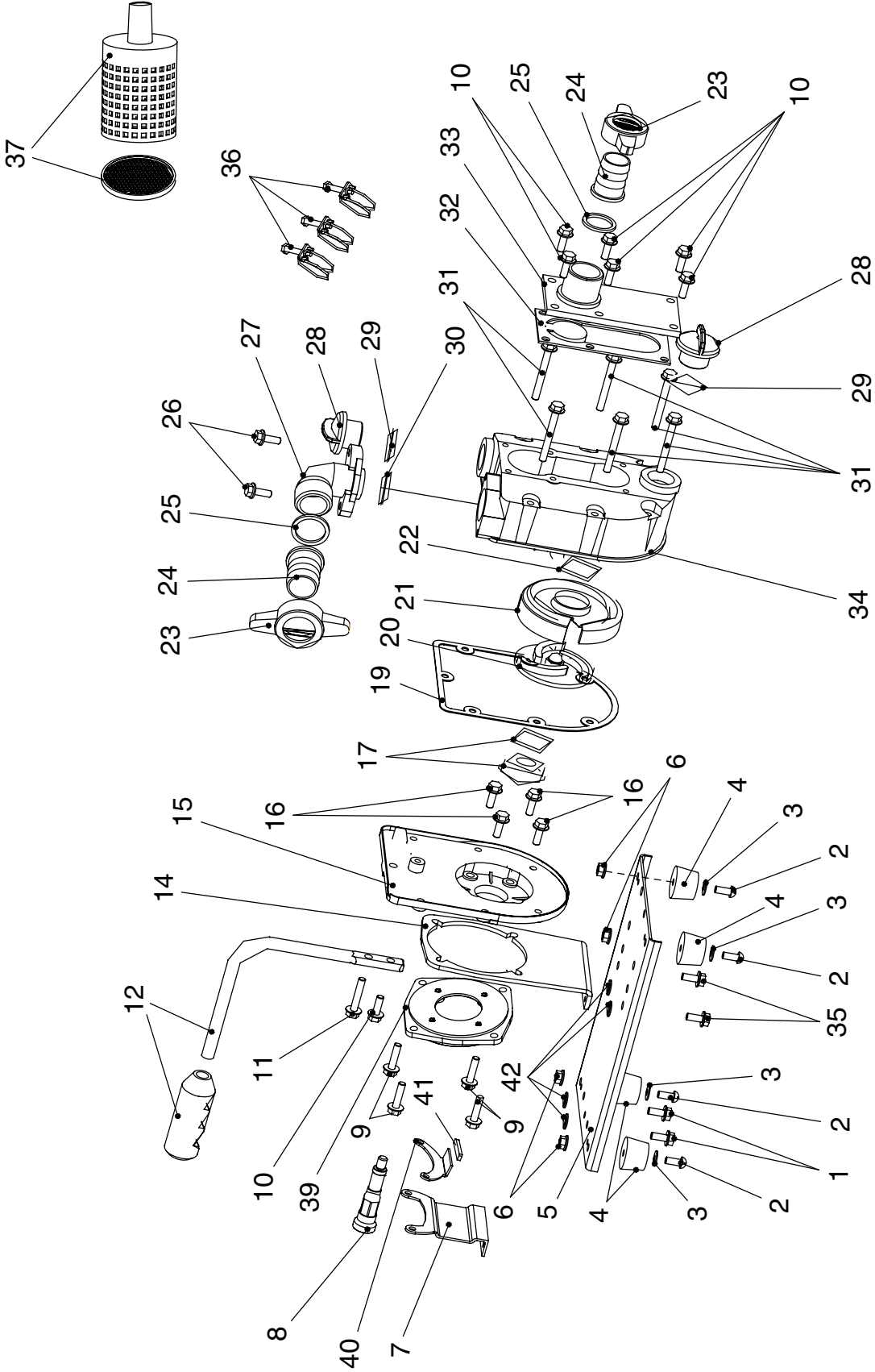
## TROUBLESHOOTING

Problem	Possible cause	Remedy/Action
Engine will not start	<ol style="list-style-type: none"> <li>1. Power switch off</li> <li>2. Spark plug wire disconnected</li> <li>3. Spark plug has no spark</li> </ol>	<ol style="list-style-type: none"> <li>1. Flip switch to on position</li> <li>2. Connect spark plug wire to spark plug</li> <li>3. Clean or replace spark plug</li> </ol>
Engine runs rough, floods during operation	<ol style="list-style-type: none"> <li>1. Dirty air cleaner</li> <li>2. Choke partially engaged</li> <li>3. Carburetor out of adjustment</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean or replace air cleaner</li> <li>2. Turn off choke</li> <li>3. Call factory</li> </ol>
Engine is hard to start	<ol style="list-style-type: none"> <li>1. Stale fuel</li> <li>2. Spark plug wire loose</li> <li>3. Dirty carburetor</li> </ol>	<ol style="list-style-type: none"> <li>1. Drain old fuel and replace with fresh. Use gas stabilizer at end of season</li> <li>2. Make sure spark wire is securely attached to spark plug</li> <li>3. Clean carburetor, use gas stabilizer, new gas can</li> </ol>
Engine misses or lacks power	<ol style="list-style-type: none"> <li>1. Clogged fuel tank</li> <li>2. Clogged air cleaner</li> <li>3. Improper carburetor adjustment</li> <li>4. Spark plug dirty, improper gap, or wrong type</li> </ol>	<ol style="list-style-type: none"> <li>1. Remove and clean</li> <li>2. Clean or replace</li> <li>3. Call factory</li> <li>4. Replace spark plug and adjust gap</li> </ol>
Engine runs, but has no power	<ol style="list-style-type: none"> <li>1. Choke on</li> <li>2. Carburetor out of adjustment</li> <li>3. Worn engine lower seal</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn off choke after engine is running</li> <li>2. Call factory</li> <li>3. Call factory</li> </ol>
Engine revs too high	<ol style="list-style-type: none"> <li>1. Low fuel in tank</li> </ol>	<ol style="list-style-type: none"> <li>1. Add fuel to tank</li> </ol>
Engine runs, but doesn't pump water	<ol style="list-style-type: none"> <li>1. Pump not primed</li> <li>2. Suction hose elevated too high</li> <li>3. Strainer clogged</li> <li>4. Hose(s) damaged</li> </ol>	<ol style="list-style-type: none"> <li>1. Prime water pump as directed in manual</li> <li>2. Lower suction hose</li> <li>3. Unclog foreign objects from strainer</li> <li>4. Replace hoses</li> </ol>

# WP4310 WATER PUMP ENGINE BREAKDOWN



# WP4310 WATER PUMP BREAKDOWN



# WP4310 WATER PUMP PARTS LIST



MINIMUM ORDER ..... \$10.00

## ENGINE PARTS

## CHASSIS PARTS

Part #	Description	Qty.	Key #	Part #	Description	Qty.
1021	SWITCH, ROCKER .....	1	1	42128	BOLT, ENGINE MOUNT .....	2
300429	PLATE, RECOIL .....	1	2	42131	BOLT, RUBBER FOOT .....	4
300430	RECOIL ASSEMBLY .....	1	3	42132	WASHER, RUBBER FOOT .....	4
300435	FILTER, AIR .....	1	4	42127	FOOT, RUBBER .....	4
300438	BOLT W/WASHER, M5 X 25MM .....	2	5	42129	BASE PLATE, PUMP .....	1
300439	BOLT W/WASHER, M5 X 18MM .....	13	6	42133	NUT, RUBBER FOOT .....	4
300454	BASE, INTAKE .....	1	7	42118	MOUNT, ENGINE .....	1
300455	PLATE, INTAKE COVER ADAPTER .....	1	8	42141	OUTPUT SHAFT, PUMP .....	1
300456	BOLT, M5 X 50MM .....	2	9	42121	BOLT, PUMP ADAPTER PLATE .....	4
300457	COVER, AIR FILTER .....	1	10	42123	BOLT, PUMP COVER PLATE .....	7
300463	GROMMET, ENGINE SHROUD .....	1	11	42104	BOLT, HANDLE LONG .....	1
300467	PIN, LOCATING .....	2	12	42103	HANDLE W/ GRIP .....	1
300471	BOLT, M5 X 12MM .....	3	14	42101	MOUNT, ENGINE PUMP .....	1
300472	COIL, IGNITION .....	1	15	42140	BACK COVER, PUMP .....	1
300475	GASKET, MUFFLER .....	1	16	42112	BOLT, PUMP HOUSING PLATE .....	4
300476	GASKET, INTAKE .....	2	17	42126	SEAL, MECHANICAL .....	1
300477	HEAT DISK .....	1	19	42120	GASKET, RUBBER PUMP .....	1
300478	WINDPIPE, INTAKE .....	1	20	42134	IMPELLER .....	1
300479	GASKET, CARBURETOR .....	1	21	42122	HOUSING, VOLUTE .....	1
300480	SPACER, FUEL TANK THREADED .....	2	23	42105	NUT, WING HOSE ADAPTER .....	2
300481	O-RING .....	1	24	42106	NIPPLE BARBED, 1" .....	2
300482	SHROUD, ENGINE .....	1	25	42107	SEAL, 1" NIPPLE .....	2
300483	COVER, ENGINE SHROUD .....	1	26	42108	BOLT, OUTLET ELBOW .....	2
300484	FLYWHEEL, MAGNETO .....	1	27	42139	OUTLET ELBOW .....	1
300487	MOUNT RING AND SHROUD .....	1	28	42109	CAP, FILL .....	2
300488	CHOKE (NOT SHOWN) .....	1	29	42110	SEAL, FILL CAP .....	2
300491	RECOIL CLUTCH .....	1	30	42114	SEAL, OUTLET ELBOW .....	1
300492	NUT, M6 .....	2	31	42115	BOLT, PUMP HOUSING .....	6
300493	BOLT, STUD M6 X 62MM .....	2	32	42125	GASKET/FLOW STOP, COVER PLATE .....	1
300494	GROMMET, FUEL TANK, 2-HOLE .....	1	33	42124	PLATE, PUMP COVER .....	1
300497	HOSE, PRIMER LINE 4" .....	1	34	42111	HOUSING, PUMP .....	1
300498	HOSE, PRIMER LINE 9" .....	1	35	42130	BOLT, ENGINE PUMP MOUNT .....	2
3004103	FILTER, FUEL (NOT SHOWN) .....	1	36	42135	CLAMP, HOSE .....	3
3004106	GUARD, FLYWHEEL (NOT SHOWN) .....	1	37	42137	SUCTION SCREEN, COMPLETE .....	1
3004109	PRIMER BULB (NOT SHOWN) .....	1	39	42102	ADAPTER PLATE, PUMP .....	1
3004120	SCREW, CHOKE LEVER (NOT SHOWN) .....	1	40	42116	MOUNT, ENGINE FUEL TANK .....	1
3004122	FUEL TANK .....	1	41	42117	GRIP, RUBBER FUEL TANK .....	1
3004123	CAP, FUEL, MANUAL VENTING .....	1	42	42119	SPACER, ENGINE PUMP .....	4
3004124	CARBURETOR .....	1	--	42100	ENGINE .....	1
3004125	COVER, INTAKE .....	1				
3004126	THROTTLE LEVER ASSEMBLY (NOT SHOWN) .....	1				
3004127	ENGINE, 2-CYCLE 43CC VIPER .....	1				
3004128	LEVER, CHOKE .....	1				
3004129	WASHER WITH TAB, THROTTLE LEVER .....	1				
3004130	WASHER, FLAT, THROTTLE LEVER .....	1				
3004131	WASHER, NYLON, THROTTLE LEVER .....	1				
3004132	SCREW, THROTTLE LEVER .....	1				
4812	COVER, MUFFLER, METAL .....	1				
4813	MUFFLER, CATALYTIC CONVERTER .....	1				
BM6A	SPARK PLUG (CHAMPION CJ8) .....	1				



# Earthquake<sup>®</sup>

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