

## U.S.SAWS UTILITY PUMP - BP 1520 OWNER'S MANUAL

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# INTRODUCTION & SPECIFICATIONS

## 1.0 INSTRUCTIONS FOR USE OF MANUAL SECTIONS

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### Foreword/Introduction

This manual outlines the maintenance and operation of the Water Pump. This is a professional tool and is intended for use by trained and experienced operators. To get maximum benefit from your tool and to ensure maximum safety, be sure to read this manual thoroughly. You should also periodically review safety instructions. Keep all manuals provided with your equipment in a safe place at all times.

The information and specifications included in this publication were in effect at the time of approval for printing. U.S.SAWS reserves the right, however, to discontinue or change specifications or design at any time without notice and without incurring any obligation.

The U.S.SAWS Water Pump is a high volume water pump designed to remove standing water from meter pits, valve boxes and any other subterranean structures where standing water is a problem. This device utilizes common batteries from several popular brands including Dewalt and Milwaukee(non-interchangeable). The PVC body and housing will never rust, dent, bend or corrode. The slim design of the pump head will fit into tight areas where water removal is most challenging.

- Light-weight but big on power
- Flexible discharge hose allows water to be discharged from the meter pit to another area
- Durable PVC plastic construction

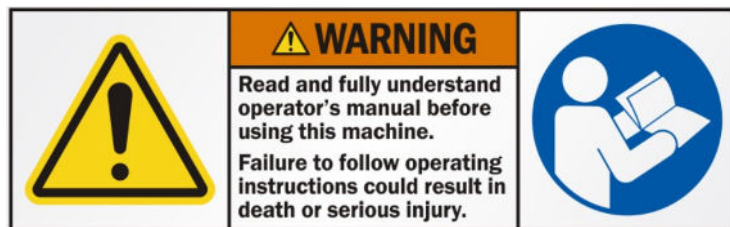
### Disclosure

By purchasing and using the Water Pump, you agree to release U.S.SAWS of any and all liability. Under no circumstances will U.S.SAWS be held liable for incidental or consequential damages resulting from the use of this product and/or defective parts or products associated with this product.

- It is the responsibility of the owner/user to ensure that the operating instructions have been read and understood by the operator before the operation of the equipment begins.
- It is the responsibility of the owner/user to understand and perform the maintenance and storage procedures as explained in the operating instructions.



**WARNING:** DO NOT modify this equipment as it will void Warranty benefits.



## 2.0 SPECIFICATIONS

Model	BP 1520
Power Source	20 Volt DeWalt Battery or 18 Volt Milwaukee Battery
GPM	15
Length	4'
Weight	6 lbs
Part Number (DeWalt)	US27840
Part Number (Milwaukee)	US27844



# SYMBOLS & DECALS

## 3.0 SYMBOLS & DECALS

### For Safe Operation

You must be qualified for safe operation of the U.S.SAWS Water Pump machine. You must clearly understand the written instructions supplied by U.S.SAWS, be trained - including actual operation - & know the safety rules & regulations for the job site. It is a safety practice to point out & explain safety signs & practices to others & to make sure they understand the importance of following these instructions.

### Be Safe

Human error is the result of many factors: carelessness, fatigue, sensory overload, preoccupation, unfamiliarity with the machine or attachments, or drugs or alcohol, to name a few. You can avoid serious injury or death caused by these & other unsafe work practices. Be safe and never assume accidents cannot happen to you.

For your safety and the safety of others, act safely and encourage your fellow workers to act safely as well.

### Dangers, Warnings and Cautions.

The purpose of safety symbols and explanations are to attract your attention to possible hazards and how to avoid them. The safety symbols and explanations do not by themselves eliminate any danger. The instructions or warnings they give are not substitutes for proper accident prevention measures.



**DANGER:** Indicates an imminently hazardous situation that if not avoided, will result in death or serious injury. This signal word is limited to the most extreme situations.



**WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.



**CAUTION:** Indicates a potentially hazardous situation that, if not avoided may result in minor or moderate injury. It may also be used to alert against unsafe practices that may cause property damage.



Read and understand operator's manual before using this machine. Failure to follow operating Instructions could result in injury or damage to equipment.



Wear proper electrostatic grounding equipment at all times.



Wear appropriate clothing



Wear hand protection



Wear safety boots when operating this machine



# SAFETY INSTRUCTIONS

## 4.0 SAFETY INSTRUCTIONS

### 4.1 KNOW THE RULES & YOUR EQUIPMENT.

**Most job sites have rules governing equipment use & maintenance. Before starting at a new work location, check with the supervisor or safety coordinator. Ask about any rules or regulations you need to abide.**

Do not operate this equipment unless you have read the operations and maintenance manual carefully.

### 4.2 RECEIVE PROPER TRAINING.

Do not operate this machine unless you have received operational and maintenance training from a U.S. SAWS representative or from an authorized distributor for U.S.SAWS.

### 4.3 PROTECT YOUR FEET.

Observe all applicable local, state and federal safety regulations. Wear OSHA approved foot protection.

### 4.4 PROTECT YOUR EYES.

Observe all applicable local, state and federal safety regulations. Wear OSHA approved safety glasses.

### 4.5 PROTECT YOUR HEARING.

Observe all applicable local, state and federal safety regulations. Wear OSHA approved hearing protection.

### 4.6 DRESS PROPERLY.

Do not wear loose clothing or jewelry that can be caught in moving parts. Wear protective hair covering to contain long hair. Keep hair away from motor air vent. Rubber gloves and non-skid footwear are recommended when working outdoors.

### 4.7 AVOID A DANGEROUS ENVIRONMENT.

Do not expose machine to rain. Do not use machine in wet conditions. Water entering a power tool will increase the risk of electric shock. Keep work area well lit.

### 4.8 AVOID ANY AREAS OR ACTIONS THAT EXPOSE YOU TO CARBON MONOXIDE.

Exhaust gas from gasoline engines contains dangerous carbon monoxide. Breathing it can cause unconsciousness and even kill you. Always operate gasoline engine machines in a well-ventilated area. Do not operate in areas where exhaust fumes could accumulate without wearing appropriate respiratory protection. Consult your employer and OSHA regarding use of appropriate respirator for dangerous carbon monoxide gases.

### 4.9 KEEP WORK AREA CLEAN. DO NOT RUN OVER ANYTHING.

Loose objects could be thrown from crack. Make sure area to be cut is clear from people and any loose objects, nuts, bolts, etc. Never run over any loose objects.

### 4.10 KEEP CHILDREN AND VISITORS AWAY.

Do not let children or visitors contact machine or extension cord. Keep children and visitors away from the work area.

### 4.11 DO NOT OVERREACH.

Keep proper footing and balance at all times.

### 4.12 MAINTAIN EQUIPMENT WITH CARE.

Keep machine clean and follow maintenance procedures for better and safer performance. Keep handles dry, clean, and free from oil and grease. Follow instructions for lubricating and changing accessories.

### 4.13 REMOVE ADJUSTING TOOLS.

Form a habit of checking to see that tools such as adjusting wrenches are removed from the machine and properly stored before starting the engine.

### 4.14 STAY ALERT.

Watch what you are doing. Use common sense. Do not operate machine when you are tired or fatigued.

### 4.15 DO NOT USE DRUGS, ALCOHOL, MEDICATION.

Do not operate machine while under the influence of drugs, alcohol, or any medication.

### 4.16 KEEP THE RIGHT PARTS IN THE RIGHT POSITIONS.

Do not operate machine with parts missing or improperly mounted.

### 4.17 CHECK DAMAGED PARTS.

Verify all machine guards are in good condition and will function properly before using the machine. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect machine operation.

### 4.18 WHEN REPLACING A PART, USE THE SAME TYPE AND QUALITY.

When replacing a component part with a new one, use only the same type and quality of new part. Never attempt to repair a machine if you are unfamiliar with proper procedures and techniques required.

### 4.19 LOAD AND UNLOAD SAFELY.

Use proper heavy lifting procedures. Read & understand manuals before loading & unloading.

### 4.20 SAVE THESE INSTRUCTIONS.

Refer to this operations and maintenance manual as well as any additional instructions included from other manufacturers and organizations such as Honda® and the Masonry and Concrete Saw Manufacturers Institute®. Never permit anyone to operate the machine without proper instructions.

### 4.21 KEEP AWAY FROM FLAMMABLE SUBSTANCE

DO NOT use the Water Pump for any FLAMMABLE LIQUID.

### 4.22 KEEP EQUIPMENT OFF WHEN NOT BEING USED

DO NOT run the Water Pump dry for more than 30 seconds. The motor is cooled by the water passing over it.

### 4.23 DO NOT SUBMERGE EQUIPMENT FULLY

DO NOT submerge the handle, switch, or battery in water.

### 4.24 FLUSH PUMP AFTER EACH USE

It is good practice to flush the pump with clean, fresh water after use. This will prevent buildup of mud, algae, sand.

### 4.25 STORING THE WATER PUMP

Store the Water Pump in an upright position to let all water drain out the bottom.

### 4.26 ALWAYS USE THE DEBRIS SCREEN

Always use the debris screen. Removing the debris screen can result in a damaged impeller.

The Water Pump is equipped to pump muddy water but it is not designed to pump mud.

### 4.27 AVOID RUNNING PUMP OVER AN EXTENDED PERIOD OF TIME

DO NOT run the Pump dry for more than 30 seconds. The motor is cooled by the water passing over it.

### 4.28 KEEP BATTERY DRY USING USE

DO NOT submerge the handle, switch, or battery



Please understand that this product has limitations. It should also not be used as a "battering ram" to break up solid debris/ice.



# OPERATION

## 5.1 UTILITY PUMP OPERATION

### 5.1.1 Step 1

Attach the appropriate battery to the handle of the pump. (Follow the battery manufacturers instructions for proper use and care of the battery)



**WARNING:** Check Battery condition or power frequently. Charge or replace battery once it reaches one bar.

### 5.1.2 Step 2

Hold the discharge hose and aim it in the area where the water can be displaced safely

### 5.1.3 Step 3

Submerge the pump wand into the liquid and turn the switch on.

### 5.1.4 Step 4

Submerge the pump wand into the liquid and turn the switch on. When the pumping is complete, keep the switch “On” and remove the pump wand. Shut the switch “Off” when the pump wand is over the discharge area to let the excess water drain out.



## 5.2 CARING FOR YOUR UTILITY PUMP

**5.2.1** It is good practice to flush the pump with clean, fresh water after use. This will prevent buildup of mud, algae, sand.

**5.2.2** Store the Pump in an upright position to let all water drain out the bottom.

**5.2.3** Always use the debris screen. Removing the debris screen can result in a damaged impeller.

**5.2.4** The Pump is equipped to pump muddy water but it is not designed to pump mud.

**5.2.5** Please understand that this product has limitations. It should also not be used as a “battering ram” to break up solid debris/ice.





# BP1520 FEATURES



# WARRANTY AND SERVICE

## 6.0 WARRANTY AND SERVICE

### 6.1.1 Warranty

This document is to be used as a guide in determining warranty policies and procedures for U.S.SAWS and its U.S.SAWS products. It is to be used in determining whether a warranty is justified and as a procedural guide in completing a U.S.SAWS warranty claim form.

### 6.1.2 Warranty Responsibility

The distributor or the end user must prepare a Machine Warranty Information Card when the machine is delivered. Failure to comply will make any and all warranties on this equipment null and void. Credit for warranty repairs will be given only after receipt of the WARRANTY CLAIM FORM, properly completed with all the required details. Submittal details are described later in this document.

### 6.1.3 Warranty Policy

**6.1.3.1** U.S.SAWS warrants its U.S.SAWS products against defects in material and workmanship under normal and proper use for a period of one year (365) days from the date of delivery; in the case of Rental Fleet Machines, date of assignment to Rental Fleet. Such warranty is extended only to the buyer who purchases the equipment directly from U.S.SAWS or its authorized distributor. This warranty does not include expendable parts such as, but not limited to, plugs, cutters, blades, blast wheel, wear parts, liners and seals.

**6.1.3.2** The obligation under this warranty is strictly limited to the replacement or repair, at US SAWS's option, of machines and does not include the cost of transportation, loss of operating time, or normal maintenance services.

**6.1.3.3** This warranty does not apply to failure occurring as a result of abuse, misuse, negligence, corrosion, erosion, normal wear and tear, alterations or modifications made to the machine without express written consent of U.S.SAWS .

**6.1.3.4** Warranty request must be submitted in writing within thirty (30) days after failure.

**6.1.3.5** Written authorization to return merchandise under warranty must first be obtained from U.S.SAWS .

**6.1.3.6** U.S.SAWS reserves the right to inspect and make the final decision on any merchandise returned under warranty.

**6.1.3.7** U.S.SAWS offers no warranty with respect to accessories, including but not limited to, engines, motors, batteries, electrical boards, tires and any other parts not manufactured by us but which the original manufacturer warrants.

**6.1.3.8** U.S.SAWS reserves the right to make product changes or improvements without prior notice and without imposing any obligation upon itself to install the same on its products previously sold.

**6.1.3.9** The above warranty conditions can only be altered by US SAWS. US SAWS must confirm alterations in writing for each specific transaction.

**6.1.3.10** U.S.SAWS reserves the right to establish specific warranty terms for used or demo machines on an individual transaction basis. Invoices covering such merchandise will clearly state the provisions of the applicable warranty for each specific transaction.

**6.1.3.11** WE DO NOT AUTHORIZE ANY PERSON, REPRESENTATIVE OR SERVICE OR SALES ORGANIZATION TO MAKE ANY OTHER WARRANTY OR TO ASSUME FOR US ANY LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS OTHER THAN THOSE CONTAINED HEREIN.

**6.1.3.12** UNDER NO CIRCUMSTANCES SHALL US SAWS BE LIABLE TO CUSTOMER OR ANY OTHER PERSON FOR ANY DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF ANY WARRANTY OR FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER, INCLUDING WITHOUT LIMITATIONS, DAMAGES FOR ANY LOSS OF GOODWILL, WORK STOPPAGE, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES.

**6.1.3.13** U.S.SAWS MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE US SAWS PRODUCTS SOLD PURSUANT THERETO.



# MACHINE WARRANTY INFORMATION CARD

**TO ENSURE THE PROPER WARRANTY COVERAGE IS EXTENDED TO THE OWNER OF THIS MACHINE, FILL OUT THE ATTACHED CARD COMPLETELY AND ACCURATELY.**

## **WARRANTY REGISTRATION CARD**

IMPORTANT! To ensure that your U.S.SAWS machine is covered under warranty, please fill in the following information and mail or fax it to U.S.SAWS, 8004B E. Broadway Ave. Tampa, FL 33619, Fax No. 714-434-7299

<b>COMPANY</b>
<b>NAME</b>
<b>ADDRESS</b>
<b>INTENDED USE</b>
<b>DATE OF PURCHASE</b>
<b>INTENDED USE</b>
<b>SERIAL NUMBER</b>

If you are not the owner of record as shown on the manual copy of the warranty registration card, do not operate this machine before contacting U.S.SAWS at 1-866-987-7297 Verify the following before operating the equipment:

## **CHANGE OF OWNER OR NEW ADDRESS REGISTRATION CARD**

IMPORTANT! To ensure that your U.S.SAWS machine is covered under warranty, please fill in the following information and mail or fax it to U.S. SAWS, 8004B E. Broadway Ave. Tampa, FL 33619, Fax No. 714-434-7299

<b>COMPANY</b>
<b>NAME</b>
<b>ADDRESS</b>
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<b>SERIAL NUMBER</b>

