



APW5001

Owner's Manual **1300 PSI PRESSURE WASHER**



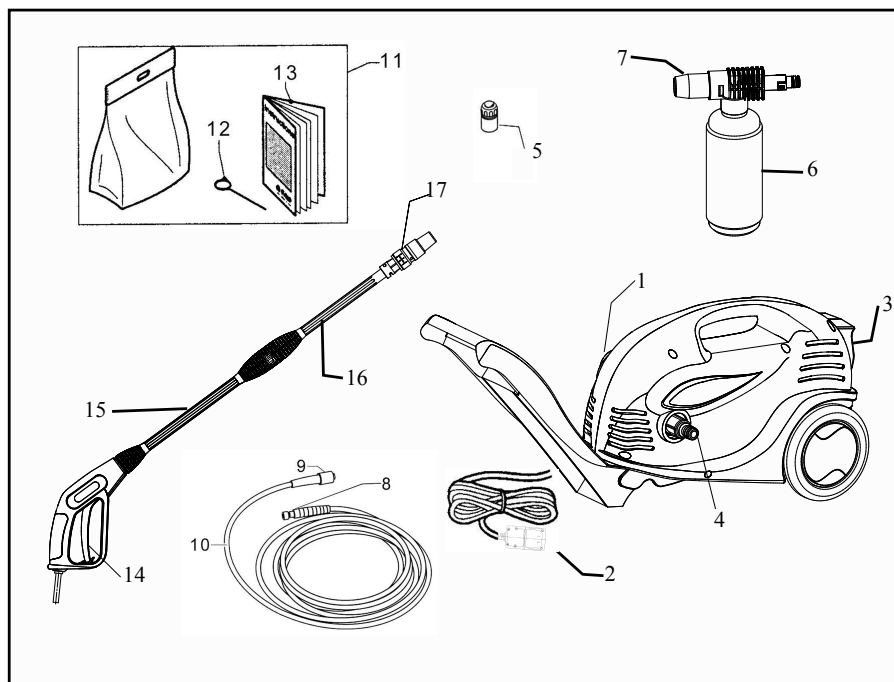
READ AND SAVE THESE INSTRUCTIONS!

1300 PSI PRESSURE WASHER



Please carefully read this manual which has been specifically designed to provide all the necessary information for the correct use of the machine, in accordance with the essential safety requirements.

1. MAIN CONSTRUCTION COMPONENTS



1	Outlet connector	10	High pressure hose
2	Power plug with GFCI	11	Packing of fittings
3	Main switch	12	Tip cleaner
4	Inlet connector	13	Instruction manual
5	Quick connector	14	Spray gun safety device
6	Detergent bottle	15	Back lance
7	Nozzle	16	Front lance
8	Hose connector with appliance	17	Regulator
9	Hose connector with spray gun		

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2. IMPORTANT SAFETY INSTRUCTIONS

When using this product basic precautions should always be followed, including the following:

- Read this manual carefully, know your equipment. Consider the applications, limitations, and the potential hazards specific to your unit.
- Do not touch plug or outlet with wet hands.
- Avoid accidental starts. Move switch on unit to "OFF" position before connecting or disconnecting cord to electrical outlets.
- Water spray must never be directed towards any electrical wiring or directly towards the pressure washer itself or fatal electric shock may occur.
- Stay alert-watch what you are doing.
- Follow the maintenance instructions specified in the manual.
- Keep operating area clear of all persons.
- To reduce the risk of injury, close supervision is necessary when a product is used near children.
- Always use both hands when operating pressure washer to maintain complete control of wand.
- Do not touch nozzle or water spray while operating.
- Disconnect power plug from the outlet when not in use and prior to the detaching the pressure hose.
- Never tie knots or kinks the pressure hose as damage can result.
- Prior to starting the pressure washer in cold weather, be sure ice has not formed in any part of the appliance.
- The pressure washer should not be used in areas where gas vapors may be present. An electric spark can cause an explosion or fire.
- To prevent accidental discharge, the spray gun should be secured by locking trigger when not in use.
- Do not operate the product when fatigued or under the influence of alcohol drugs.
- Know how to stop the product and bleed pressures quickly. Be thoroughly familiar with the controls.
- Do not overreach or stand on unstable support. Keep good footing and balance at all times.
- Risk of Injection or Injury-Do Not Direct Discharge Stream At Persons.

"This Product Is Provided With A Ground Fault Circuit Interrupter Built Into The Power Cord Plug. If Replacement Of The Plug Or Cord Is Needed, Use Only Identical Replacement Parts."

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3. GENERAL SAFETY RULES

3.1 FIELDS OF APPLICATION

- The power washer has been developed for washing vehicles, machines, containers, facades, stables and for removing rust with generating dust or sparks.
- During cleaning, ensure that no dangerous substances of the object to be cleaned are dispersed into the environment (such as asbestos, oil for examples).
- Do not treat concrete-asbestos surfaces with high pressure or steam jets. As it may cause the detachment of dangerous asbestos fibres as well as dirt, detrimental to the lungs. The risk exists particularly after the drying of a surface treated with a water jet or steam.
- Do not clean delicate components made of rubber, fabric or similar materials with a pointed jet.
- When cleaning with high pressure, flat jet, keep the nozzle at a minimum distance of 15cm.

3.2 CLOTHING AND EQUIPMENT

- Always wear anti-slip sole footwear.
- Wear protective goggles or face shield and safety wear.
- It is advisable to wear work overalls.
- It is advisable to wear work overalls in order to reduce the risk of injury in the event of accidental contact with a high pressure jet.

3.3 STARTING UP, OPERATIONAL ADVICE

- Do not operate the appliance in closed spaces. The trigger of the spray gun must function smoothly and return to initial position, after release.
- Keep children and pets clear when operating device.
- Do not ever wash the appliance or other electrical appliances with a water jet.
- Check that there is sufficient air circulation in the motor ventilation zone.
- Do not cover the appliance, ensure that there is sufficient motor ventilation.
- Do not damage the mains attachment cable by treading on it, squashing or pulling it, etc. Do not detach the plug from the socket by pulling the connection wire.
- Make sure hands are dry before touching the plug and the connection cable.
- Hold the spraying device with both hands in order to properly absorb the reaction force.

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- Always assume a safe and secure position.
- The operator must never direct the liquid jet on himself or other person or animals, not even to clean clothing or shoes--Injury risk!
- Do not wash the appliance using the high pressure jet or a water pipe--Short circuit risk!

4 CONNECTION OF THE WATER SUPPLY PIPE

- 1) Connect wand #15 to #16 (pictured on page 2)
- 2) Connect high pressure hose end #8 to wand and the other end #9 to the pressure washer (pictured on page 2)
- 3) Connect quick-connector #5 to garden hose (pictured on page 2)
- 4) Connect garden hose with quick-connector adapter #5 to the inlet connector #4 (pictured on page 2)

6 ELECTRICAL CONNECTION

6.1 GROUND FAULT CIRCUIT INTERRUPTER PROTECTION

- This pressure washer is provided with a ground fault circuit interrupter(GFCI) built into the plug of the power supply cord. This device provides additional protection from the risk of electrical shock. Should replacement of the plug or cord become necessary use only identical replacement parts that include GFCI protection.

6.2 EXTENSION CORD

- Use only 2-wire extension cords which have 2-prong plugs and 2-pole receptacles
- Use only extension cords intended for outside use. These extension cords are identified by a marking "acceptable for use with outdoor appliances, store indoors while not in use."
- Do not use damaged extension cords. Examine extension cords before using and replace if damage.
- Do not abuse extension cord and do not yank on any cord to disconnect.
- Keep cord away from heat and sharp edges.
- Always disconnect the extension cord from the receptacles before disconnecting product from the extension cord.

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6.3 VOLTAGE

- The main voltage and the working voltage must correspond(see identification plate on the machine).
- Insert the plug into a socket installed in accordance with electrical regulations.

7 ACTIVATION

- Operate the equipment in vertical position only after connecting the water supply.
- Put on the power switch.
- Position the spray gun on the object to be cleaned.
- Press the safety device the gun is released.
- Direct the nozzle downwards.
- Fully press down the trigger and proceed with cleaning.

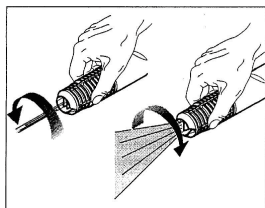
8 SHUTTING DOWN

- Turn off water supply.
- Press the trigger to depressurize system.
- Press the power switch to the off position.

9 ACCESSORIES

9.1 SPRAY NOZZLE

Adjustable Spray Nozzle can be adjusted to a pencil steam or fan spray.



--Pencil Spray-A narrow stream has a high impact on cleaning surface resulting in maximum deep cleaning in a concentrated area. However, this narrow high impact spray must be used cautiously, as it may damage some surfaces.

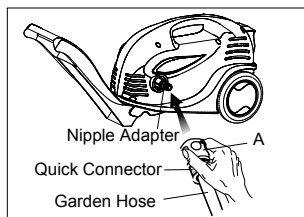
--Fan Spray-A wide fan pattern spray will distribute the impact of the water over a larger area, resulting in excellent cleaning action with a reduced risk of surface damage. Large surface areas can be cleaned more quickly using a wide fan pattern.

9.2 DETERGENT ADDITION

The detergents must not dry on the object to be cleaned.

- Connect detergent nozzle to spray gun.
- Fill the detergent bottle with suitable detergent.

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9.3 QUICK CONNECTOR

1. Attach quick connector to garden hose.
2. Pull side 'A' of the quick connector towards the garden hose.
3. Push quick connector on to nipple adapter.
4. Release 'A' part of quick connector.

10 MAINTENANCE AND REPAIRS

Before undertaking any work on the appliance always detach the plug from the power socket.

Undertake only the maintenance operations described in the user instructions.

Store the appliance in premises protected against freezing conditions.

If freeze protection is not guaranteed, suction a glycol based anti-freeze into the pump (as for cars) proceeding as follows:

- Immerse the water pipe into the container of antifreeze.
- Immerse the gun without the nozzle sprayer pipe into the same container.
- Activate the appliance with open gun.
- Activate the gun until an even jet is obtained.
- Switch off the appliance and disconnect the plug from the power socket.
- Store the rest of the anti-freeze in a closed container.

After long-term storage without operation, it is possible to form scales inside the machine making it hard to start again. In such conditions it is recommended to turn off disconnect the power supply and rotate the motor by hand several times so as to avoid excessive current draw on the motor and the power supply.

11 TECHNICAL DATA

Model Number	APW5001
Rating Voltage	120V
Frequency	60Hz
Power	1400W
Working Pressure	1015PSI
Max. Pressure	1750PSI
Max. Flow	1.6GPM
Protection Category	IPX5
Max. Water Temperature	60°C

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12 PROBLEMS AND TROUBLESHOOTING

Notes: The power supply should be turned off before repairing the machine.

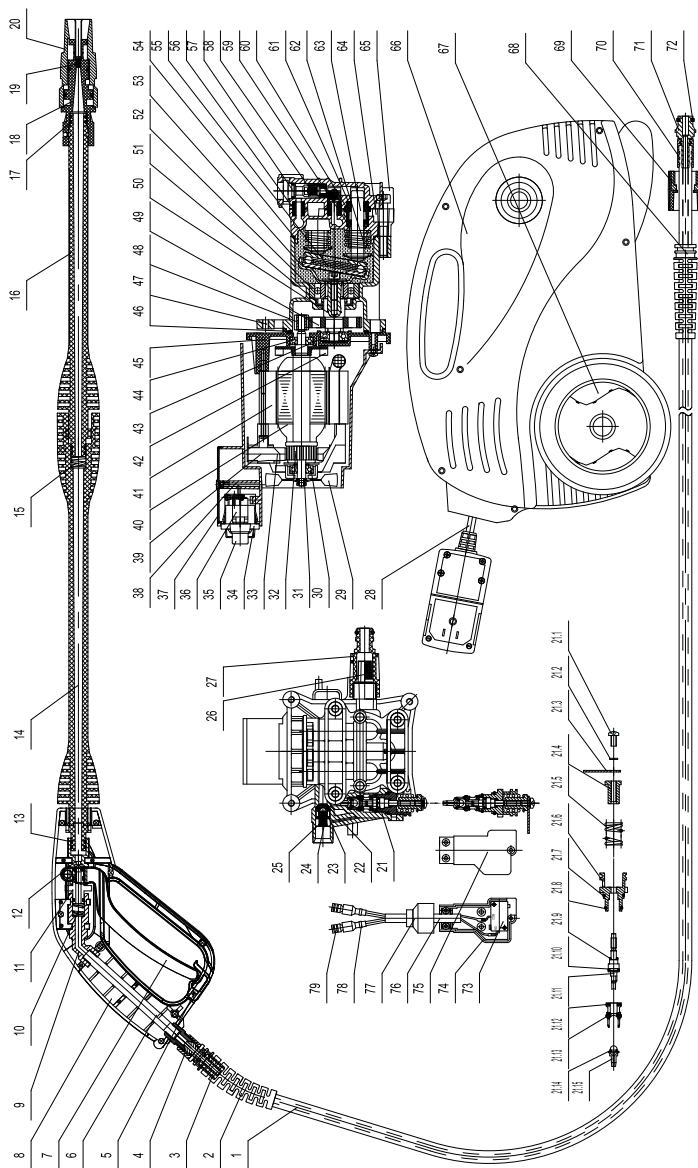
Only professional electricians are allowed to check the electric circuit.

The following are common problems which may lend you some help.

Problems	Possible Cause	Solutions
Failed to work	Insufficient power supply voltage. Power cable is damaged. The seal components of pump are too tight at initial use.	Check the socket, plug, fuse and voltage. In case of extra low voltage, increase it with a Voltage Regulator. Replace the power cable. Turn the motor a few cycles manually prior to starting the machine.
Insufficient water outflow. Or serious pressure fluctuation.	The filter screen in the inlet is clogged. The joints of the inlet are not sound and tight or there is air in the hose. The inlet and outlet valves are stuck. The ejection nozzle is abnormal or wearing.	Clean the filter screen. Check the joints for cleanness and tighten them. Check whether leakage is found in the water supply hose, or water is in-sufficient. The intake opening hose is floating over the water. If that's the case, correct it and remove the air in the hose. Clean and reinstall the valves. Replace the nozzle and remove the dirt.
Leakage of pump	Leakage of 3 drips per minute is allowed for this pump. However, if larger leakage occurs, the seal components may have been damaged.	Repair or replace the seal components.
The motor stops	The pressure controller acts. The switch of circuit breaker is out of order. The overload protector cut-out, disconnected due to motor overheating.	Check whether the outflow hose is clogged. If yes, solve it. Repair or replace the switch. Reset overload switch, wait 5 minutes and then switch the appliance on again.
Generates an irregular and non-precise jet	Dirty high pressure nozzle in the spray gun.	Clean the high pressure nozzle with the tip cleaner.

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13. EXPLODED VIEW



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14. PARTS LIST

No	Name	Qty	No	Name	Qty	No	Name	Qty
1	High Pressure Hose	1	21.12	Valve	1	50	Short Shaft	1
2	Protection Cover	1	21.13	O-ring	1	51	Frame Oil Seal	1
3	Hose Connector	1	21.14	O-ring	1	52	Bearing 303	1
4	Nut	1	21.15	Valve Sheet	1	53	Eccentric Bowl	1
5	Press Protector	1	22	O-ring	1	54	O-ring	1
6	Pipe	1	23	Valve Frame	1	55	Thrust Bearing	1
7	Trigger	1	24	Spring	1	56	Bridge Pipe	3
8	Spray Gun Shell	1	25	Seat	1	57	Valve Caps	3
9	Bended Pipe	1	26	Inlet Filter	1	58	Outlet Valve	3
10	Spring	1	27	Inlet Connector	1	59	Oil Seal	3
11	Valve	1	28	Electricity Cord	1	60	Tripod	3
12	Connection Cover	1	29	Cooling Fan	1	61	Water Seal	3
13	O-ring	1	30	Bearing	1	62	Plunger Spring	3
14	Back Gun Body	1	31	Screw	1	63	Piston	1
15	Spring	1	32	Commutator	1	64	Pump Body	1
16	Front Gun Body	1	33	Carbon Brush	1	65	Pump Cap	2
17	O-ring	1	34	Switch	1	66	Plastic Shell	2
18	Regulator	1	35	Waterproof Cover	1	67	Back Wheel	2
19	Nozzle	1	36	Overload Protector	1	68	Protection Cover	1
20	Regulator Cover	1	37	Junction Box	1	69	Screw Cover	1
21	Unburden Valve	1	38	Motor Shell	1	70	Protection Cover	1
21.1	X-Bolt	1	39	Back Frame	1	71	Hose Connector	1
21.2	Spring Washer	1	40	Rotor	1	72	O-ring	1
21.3	On-Off Switch	1	41	Starter	1	73	Micro-Switch	1
21.4	Cooper Screw	1	42	Cooling Fan	1	74	Switch Interrupter	1
21.5	Spring	1	43	Bearing 609	1	75	Switch Cover	1
21.6	Valve Frame	1	44	Bearing 608	1	76	Electricity Cord	1
21.7	O-ring	1	45	Pump Cap	1	77	Protection Cover	1
21.8	O-ring	1	46	O-ring	1	78	Connection Cover	2
21.9	O-ring	1	47	Connection Base	1	79	Connection Nut	2
21.10	Valve Core	1	48	Small Gear 14	1			
21.11	O-ring	1	49	Big Gear 52	1			

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Service

Should you have any questions about your power equipment, feel free to write us at any time. In any communications, please give all information shown on the nameplate of your equipment (model number, type, serial number, etc.)

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