



Owner's Manual Pressure Washer / Air Compressor Combo



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Pressure Washer--Air Compressor Combo

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WARNING! READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/ OR VOIDING OF YOUR WARRANTY. ALL POWER AMERICA WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.

Owner's Manual

Limited Warranty

All-Power America warrants to the original purchaser who uses the product in a consumer application (personal, residential or household usage) that all products covered under this warranty are free from defects in material and workmanship for one year from the date of purchase. All products covered by this limited warranty which are used in commercial applications (i.e. income producing) are warranted to be free of defects in material and workmanship for 90 days from the date of original purchase. Products covered under this warranty include air compressors, air tools, service parts, pressure washers and generators.

All-Power America will repair or replace, at All-Power America's sole option, products or components which have failed within the warranty period. Service will be scheduled according to the normal work flow and business hours at the service center location, and the availability of replacement parts. All decisions of All-Power America with regard to this limited warranty shall be final.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RESPONSIBILITY OF ORIGINAL PURCHASER (initial User):

To process a warranty claim on this product, DO NOT return item to the retailer. The product must be evaluated by an Authorized Warranty Service Center. For the location of the nearest Authorized Warranty Service Center contact the retailer or place of purchase.

Retain original cash register sales receipt as proof of purchase for warranty to work.

Use reasonable care in the operation and maintenance of the product as described in the Owner's Manual(s).

Deliver or ship the product to the Authorized Warranty Service Center. Freight costs, if any must be paid by the purchaser.

If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact All-Power America.

Pressure Washer--Air Compressor Combo

Limited Warranty (cont'd)

THIS WARRANTY DOES NOT COVER:

- Merchandise sold as reconditioned, used as rental equipment, or floor or display models.
- Merchandise that has become damaged or inoperative because of ordinary wear, misuse, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, failure to operate the product in accordance with the instructions provided in the Owner's Manual(s) supplied with the product, improper maintenance, the use of accessories or attachments not recommended by All-Power America, or unauthorized repair or alterations.
- Repair and transportation costs of merchandise determine not to be defective.
- Costs associated with assembly, required oil, adjustments or other installation and start-up costs.
- Expendable parts or accessories supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.
- Merchandise sold by All-Power America which has been manufactured by and identified as the product of another company, such as gasoline engines. The product manufacturer's warranty, if any, will apply.
- ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECTS, FAILURE OR MALFUNCTION OF THE PRODUCT IS NOT COVERED BY THIS WARRANTY. Some states do not allow the exclusion, so it may not apply to you.
- IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Owner's Manual

Safety Guidelines - Definitions

This manual contains important information that you need to know and understand in order to protect YOUR SAFETY and to PREVENT EQUIPMENT PROBLEMS. The following symbols help you recognize this information. Please read the manual and pay attention to these sections.

Save These Important Safety Instructions!

Read and understand all of these safety instructions. Be sure to retain them for future use.



WARNING! WARNINGS INDICATE A CERTAINTY OR STRONG POSSIBILITY OF PERSONAL INJURY OR DEATH IF INSTRUCTIONS ARE NOT FOLLOWED.



CAUTION: CAUTIONS INDICATE A POSSIBILITY OF EQUIPMENT DAMAGE IF INSTRUCTIONS ARE NOT FOLLOWED.



NOTE: NOTES GIVE HELPFUL INFORMATION



WARNING! IMPROPER OPERATION OR MAINTENANCE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY AND PROPERTY DAMAGE. READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT. WHEN USING AIR TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF PERSONAL INJURY.

Pressure Washer--Air Compressor Combo

General Precautions



WARNING! FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SEVERE INJURY OR DEATH.



CAUTION: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN ALSO RESULT IN DAMAGE TO THE TOOL AND/OR THE ITEM YOU ARE WORKING ON.

Carbon Monoxide

When this tool is running, ensure that the area is well ventilated. Never run the engine in an enclosed area. Run the engine in an open area or with an exhaust evacuation system in an enclosed area.



WARNING! THE EXHAUST CONTAINS POISONOUS CARBON MONOXIDE GAS THAT CAN CAUSE LOSS OF CONSCIOUSNESS AND MAY LEAD TO DEATH.

Gasoline and Oil

This product requires oil and fuel. Attempting to start the engine without oil will ruin the engine and void the warranty. Work in well ventilated area. Keep cigarettes, flames or sparks away from the work area or where gasoline is stored.



WARNING! GASOLINE IS EXTREMELY FLAMMABLE AND IS EXPLOSIVE UNDER CERTAIN CONDITIONS. KEEP OUT OF REACH OF CHILDREN.

- Gasoline fuel and fumes are flammable and potentially explosive. Use proper fuel storage and handling procedures. Always have multiple ABC class fire extinguishers nearby.
- Keep the generator and surrounding area clean at all times.
- Fuel or oil spills must be cleaned up immediately. Dispose of fluids and cleaning materials as per any local, state, or federal codes and regulations. Store oily rags in a covered metal container.
- Never store fuel or other flammable materials near the generator.

Owner's Manual

General Precautions (cont'd)

Gasoline and Oil (cont'd)

- Do not smoke, or allow sparks, flames or other sources of ignition around the engine and fuel tank. Fuel vapors are explosive.
- Keep grounded conductive objects, such as tools, away from exposed, live electrical parts and connections to avoid sparking or arcing. These events could ignite fumes or vapors.
- Do not refill the fuel tank while the engine is running or while the engine is still hot. Do not operate the generator with known leaks in the fuel system
- Excessive buildup of unburned fuel gases in the exhaust system can create a potentially explosive condition. This buildup can occur after repeated failed start attempts, valve testing, or hot engine shutdown. If this occurs, open exhaust system drain plugs, if equipped, and allow the gases to dissipate before attempting to restart the generator.
- Use only engine manufacturer recommended fuel and oil.

Hot Components



WARNING! ENGINE AND EXHAUST SYSTEM PARTS BECOME VERY HOT AND REMAIN HOT FOR SOME TIME AFTER THE ENGINE IS RUN. WEAR INSULATED GLOVES OR WAIT UNTIL THE ENGINE AND EXHAUST SYSTEM HAVE COOLED BEFORE HANDLING THESE PARTS.

Power Output

This generator is not designed to power sensitive electronic equipment (including computers and medical devices) without the addition of an approved line conditioner, which is sold separately.



CAUTION: ATTEMPTING TO POWER SENSITIVE ELECTRONIC EQUIPMENT WITHOUT THE USE OF AN APPROVED LINE CONDITIONER MAY CAUSE DAMAGE TO THE EQUIPMENT. ALL POWER AMERICA IS NOT RESPONSIBLE FOR ANY DIRECT OR INDIRECT DAMAGE CAUSED BY FAILURE TO USE AN APPROVED LINE CONDITIONER.

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General Precautions (cont'd)

Work Area

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Generators create sparks which may ignite the dust or fumes.
- Keep bystanders, children, and visitors away while operating a generator. Provide barriers or shields as needed.

Electrical Safety

- Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs.
- Grounding provides a low-resistance path to carry electricity away from the user in the event of an electrical malfunction.
- Double insulated tools are equipped with a polarized plug where one blade is wider than the other. This plug fits in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three-wire grounded power cord and grounded power supply system.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Do not expose generator to rain or wet conditions. Water entering a generator will increase the risk of electric shock.
- Do not abuse the power cord. Keep power cords away from heat, oil, sharp edges, or moving parts. Replace damaged power cords immediately. Damaged power cords increase the risk of electric shock.
- When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These extension cords are rated for outdoor use, and reduce the risk of electric shock.



Owner's Manual

General Precautions (cont'd)

Electrical Safety (cont'd)

- All connections and conduits from the generator to the load must only be installed by trained and licensed electricians, and in compliance with all relevant local, state, and federal electrical codes and standards, and other regulations where applicable.
- The generator must be earth-grounded for fixed installations in accordance with all relevant electrical codes and standards before operation.
- Do not attempt to connect or disconnect load connections while standing in water, or on wet or soggy ground.
- Do not touch electrically energized parts of the generator and interconnecting cables or conductors with any part of the body, or with any non-insulated conductive object.
- Connect the generator only to a load or electrical system (120 volt) that is compatible with the electrical characteristics and rated capacities of the generator.
- Before servicing equipment powered by the generator, disconnect the equipment from its power input.
- Keep all electrical equipment clean and dry. Replace any wiring where the insulation is cracked, cut abraded or otherwise degraded. Replace terminals that are worn, discolored, or corroded. Keep terminals clean and tight.
- Insulate all connections and disconnected wires.
- Guard against electric shock. Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerator enclosures.

Personal Safety

- Stay alert. Watch what you are doing, and use common sense when operating a generator. Do not use generator while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating generators may result in serious personal injury.
- 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, or long hair can be caught in moving parts.

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General Precautions (cont'd)

Personal Safety (cont'd)

- Avoid accidental starting. Make sure the power switch is in its “OFF” position, and disconnect the spark plug wire when not in use.
- Remove adjusting keys or wrenches before turning the generator on. A wrench or a key that is left attached to a rotating part of the generator may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times.
- Use safety equipment. Always wear eye protection. Wear ANSI approved safety impact eye goggles. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- Do not force the generator. Use the correct generator for your application. The correct generator will do the job better and safer at the rate for which it is designed.
- Do not use the generator if the power switch does not turn it on or off. Any generator that cannot be controlled with the power switch is dangerous and must be replaced.

Generator Use and Care

Make sure the power switch is in its “OFF” position and disconnect the spark plug wire before making any adjustment, changing accessories, or storing the generator. Such preventive safety measures reduce the risk of starting the generator accidentally.

Store idle generators out of reach of children and other untrained persons. Generators are dangerous in the hands of untrained users.

Maintain generators with care. Do not use damaged generator. Tag damaged generators “Do not use” until repaired.

Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the generator’s operation. If damaged, have the generator serviced before using. Many accidents are caused by poorly maintained generators.

Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one generator may become hazardous when used on another generator.

Owner's Manual

General Precautions (cont'd)

Servicing

Maintain labels and name plates on the generator and engine. These carry important information. If unreadable or missing, contact All Power America immediately for a replacement.

Generator service must be performed only qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

When servicing a generator, use only identical replacement parts. Follow all appropriate instructions in this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

Heart Pacemakers



WARNING! PEOPLE WITH PACEMAKERS SHOULD CONSULT THEIR PHYSICIAN(S) BEFORE USING THIS PRODUCT. ELECTROMAGNETIC FIELDS IN CLOSE PROXIMITY TO A HEART PACEMAKER COULD CAUSE INTERFERENCE TO OR FAILURE OF THE PACEMAKER.

Installation

- Ensure installation meets all applicable safety, and local and national electrical codes. Have installation performed by a qualified, licensed electrician and building contractor.
- All electrical work, including the earth-ground connection, should be completed by a licensed electrician.
- Any separate fuel storage or generator supply facility must be built or installed in full compliance with all relevant local, state, and federal regulations.
- It is recommended to use the generator only in well ventilated outdoor areas. A running gasoline engine will generate carbon monoxide, a colorless, odorless gas that, if inhaled, can cause serious injury or death. If the generator is installed indoors, exhaust fumes must be piped out of the building using leak-free, heat resistant piping. Pipes and silencer should not use any flammable materials, nor should they be installed near the same. Generator exhaust fumes must be within legal limits and installation must always meet local building codes.

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General Precautions (cont'd)

Installation (cont'd)

- If the generator is installed outdoors, it must be weatherproofed and should be soundproofed. It should not be run outdoors without protection to the generator and wiring conduit.
- The generator weighs 110lbs. Two or more people should assist when moving or lifting this product. Never lift the generator using the engine or alternator lifting lugs. Connect lifting equipment to the frame of the generator
- Before lifting the generator, ensure the lift rigging and supporting structure are in good condition, and are rated to lift such a load.
- Keep all personnel away from the suspended generator during relocating.
- The supporting floor/ground surface should be level and strong enough to safely hold the weight of the generator. If the floor/grounded surface is not level, strong cross members should be placed under the full length of the generator frame at its low side.
- For trailer installation, the generator should be mounted on the center point of the trailer, over the wheels. The trailer must be capable of supporting the weight of the generator and all contents (tools, etc.)
- Install sound-and weather-proofing only when it is not raining or snowing to avoid trapping moisture within the generator's area.

Mechanical

- Always make sure the power switch is in its "OFF" position. Disconnect the spark plug wire, and allow the engine to completely cool before carrying out maintenance.
- Check for damaged parts. Before using the generator, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts, any broken parts or mounting fixtures, and any other condition that may affect proper operation technician.
- The generator is designed with guards for protection from moving parts. In any case, care must still be taken to protect personnel and equipment from other mechanical hazards when working around the generator.

Owner's Manual

General Precautions (cont'd)

Mechanical (cont'd)

- Do not operate the generator with safety guards removed. While the generator is running, do not attempt to reach around the safety guard for maintenance or any other reason.
- Keep hands, arms, long hair, loose clothing, and jewelry away from moving parts. Be aware that when engine parts are moving fast they cannot be seen clearly.
- Keep access doors on enclosures closed and locked when access is not required.
- When working on or around the generator always wear protective clothing including ANSI approved safety gloves, safety eye goggles, and safety hat.
- Do not alter or adjust any part of the generator that is assembled and supplied by the manufacturer.
- Always follow and complete scheduled engine and generator maintenance.

Chemicals

- Avoid contact with hot fuel, oil, exhaust fumes, and hot solid surfaces.
- Avoid body contact with fuels, oils, and lubricants used in the generator. If swallowed, seek medical treatment immediately. Do not induce vomiting if fuel is swallowed. For skin contact, immediately wash with soap and water. For eye contact, immediately flush eyes with clean water and seek medical attention.

Noise

- Prolonged exposure to noise levels above 68 DBA is hazardous to hearing. Always wear ANSI approved ear protection when operating or working around the generator when it is running.

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General Precautions (cont'd)

Extension Cord

If an extension cord (not included) is used, make sure to use only UL approved cords having the correct gauge and length according to the following table:

Nameplate Amps (@ full load)		Cord Lengths			
		0'-50'	50'-100'	100'-150'	150'-200'
0 - 5	16	16	12	12	
5.1 - 8	16	14	10	-	
8.1 - 12	14	12	-	-	
12.1 - 15	12	10	-	-	
15 - 20	10	10	-	-	

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Battery

This product does not need a battery.

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Assembly

No assembly required for this product.

Operating Instructions

Daily Startup

- 1 Turn the power switch to the OFF position.
- 2 Close the tank petcock. Turn in the clockwise direction.
- 3 Plug in the power cord.



WARNING! HIGH TEMPERATURES ARE GENERATED BY THE ELECTRICAL MOTOR AND THE PUMP. TO PREVENT BURNS OR OTHER INJURIES, DO NOT TOUCH THE COMPRESSOR WHILE IT IS RUNNING. ALLOW IT TO COOL BEFORE HANDLING OR SERVICING. KEEP CHILDREN AWAY FROM THE COMPRESSOR AT ALL TIMES.

- 4 Turn the power switch to the ON position.



WARNING! WHEN ADJUSTING FROM A HIGHER TO A LOWER PRESSURE, TURN THE KNOB COUNTERCLOCKWISE TO REACH THE DESIRED PRESSURE. DO NOT EXCEED OPERATING PRESSURE OF THE TOOL OR ACCESSORY BEING USED.

- 5 Adjust the regulator to the working pressure of the tool.

Shutdown

- 1 Turn the power switch to the OFF position.
- 2 Unplug the power cord.
- 3 Reduce pressure in the tank through the outlet hose. You can also pull the relief valve ring and keep it open to relieve pressure in the tank.



WARNING! ESCAPING AIR AND MOISTURE CAN PROPEL DEBRIS THAT MAY CAUSE EYE INJURY. WEAR SAFETY GOGGLES WHEN OPENING PETCOCK.

- 4 Tip the compressor (if necessary for your model) so the petcock is at the bottom of the tank(s). Then open the petcock to allow moisture to drain from the tank.

Pressure Washer--Air Compressor Combo

Maintenance



WARNING! TO AVOID PERSONAL INJURY, ALWAYS SHUT OFF AND UNPLUG THE COMPRESSOR AND RELIEVE ALL AIR PRESSURE FROM THE SYSTEM BEFORE PERFORMING ANY SERVICE ON THE AIR COMPRESSOR.

Regular maintenance will ensure trouble free operation. Your electric powered air compressor represents high quality engineering and construction; however, even high quality machinery requires periodic maintenance. The items listed below should be inspected on a regular basis.

Draining the Tank

Relieve the air pressure in the system and open the petcock on the bottom of the tank to drain.



WARNING! CONDENSATION WILL ACCUMULATE IN THE TANK. TO PREVENT CORROSION OF THE TANK FROM THE INSIDE, THIS MOISTURE MUST BE DRAINED AT THE END OF EVERY WORKDAY. BE SURE TO WEAR PROTECTIVE EYEWEAR.



Note: In cold climates, drain the tank after each use to reduce problems with freezing of water condensation.

Checking the Relief Valve

Pull the relief valve daily to ensure that it is operating properly and to clear the valve of any possible obstructions.

Testing for Leaks

Check that all connections are tight. A small leak in any of the hoses or pipe connections will substantially reduce the performance of your air compressor. If you suspect a leak, spray a small amount of soapy water around the area of the suspected leak with a spray bottle. If bubbles appear, repair or replace the faulty component. Do not overtighten any connections.

Storage

Before storing the compressor for a prolonged, use an air blow gun to clean all dust and debris from the STORAGE compressor. Disconnect the power cord and coil it up. Pull the pressure relief valve to release all pressure from the tank. Drain all moisture from the tank. Cover the entire unit to protect it from moisture and dust.

Servicing

Perform the following maintenance at the intervals indicated below:

- **Operate the pressure relief valve:** Daily
- **Drain tank:** Daily

Troubleshooting



Note: Troubleshooting problems may have similar causes and solutions.

Low pressure, or not enough air ,or compressor does not stop

- Tank petcock is open
 - Close petcock
- Prolonged excessive use of air
 - Decrease amount of air used
- Compressor not large enough
 - Check air requirement of accessory. If it is higher than CFM and pressure supplied by compressor, you need a larger compressor. Most accessories are rated at 25% of actual CFM while running continuously.
- Restricted check valve
 - Remove and clean or replace.
- Hole in air hose
 - Check and replace if necessary.
- Tank leaks
 - Replace tank



WARNING! IMMEDIATELY REPLACE TANK. DO NOT ATTEMPT TO REPAIR.

- Blown seals
 - Replace any faulty seals.
 - Replace worn parts and reassemble with new seals.

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Excessive starting and stopping, while not in use

- **Fittings leak**
 - Check fittings with soapy water. Tighten or reseal leaking fittings. **DO NOT OVERTIGHTEN.**
 - Replace worn parts and reassemble with new seals.
 - Replace any faulty seals.
- **Air leaks from regulator, or regulator does not regulate pressure**
 - Dirty or damaged regulator internal parts.
 - Replace regulator or internal parts.
- **Regulated pressure gauge reading drops when air accessory is being used**
 - This is normal
 - Compressor not large enough
 - If pressure drops too low, adjust regulator while accessory is used.
 - Check air requirement of accessory. If it is higher than CFM and I pressure supplied by compressor. Most accessories are rated at 25% of actual CFM while running continuously.

Circuit breaker trips (fuse blows) too often

- **Low voltage**
 - Consult electrician.
- **Excessive wire length**
 - Furnish adequate power. If using extension cord, try without.
- **Restricted air passages**
 - Contact authorized service center.
- **Back pressure in pump head**
 - Replace check valve, pressure switch bleeder valve.

Overheating

- Poor ventilation
 - Relocate compressor to an area with cool, dry and well-circulated air.
- Dirty cooling surfaces
 - Clean all cooling surfaces of pump and motor thoroughly.
- Leaking valve
 - Replace worn parts and reassemble with new seals.

Motor stalls

- Low voltage
 - Furnish adequate power.
- Defective pressure switch bleeder valve
 - Replace pressure switch bleeder valve

Pressure relief valve opens

- Tank pressure exceeded normal operating pressure
 - Replace pressure switch
- Pressure switch stuck
 - Replace pressure switch

Motor will not run

- Tank pressure exceeds preset pressure switch limit
 - Motor will start automatically when tank pressure drops below kick-in pressure of pressure tank.
- Motor overload protection has tripped
 - Let motor cool off and overload switch will automatically reset. This may take several minutes.

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- **Fuse blown or circuit breaker tripped**
 - Replace blown fuse or reset circuit breaker. Do not use fuse or circuit breaker with higher rating than specified for your branch circuit.
 - Check for proper fuse; "Fusetron" type T is acceptable.
 - Check for low voltage and proper extension cord size.
 - Disconnect other applications from circuit. Operate compressor on a dedicated circuit.
- **Check valve stuck open**
 - Remove and clean or replace.
- **Pressure bleeder valve on pressure switch has not unloaded head pressure**
 - Bleed line by moving pressure switch lever to OFF position before restarting. If bleeder valve does not open. Replace bleeder valve.
- **Wrong wire gauge in extension cord**
 - Check for proper gauge and extension cord length.
- **Loose electrical connections**
 - Contact authorized service center.
- **Paint spray on internal motor parts**
 - Have checked at service center. Do not operate compressor in the paint spray area.
- **Possible defective motor**
 - Have checked at service center.

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Installation



NOTE: PRIOR TO POWERING TOOLS AND EQUIPMENT MAKE SURE THE GENERATOR'S RATED VOLTAGE, WATTAGE AND AMPERAGE CAPACITY IS ADEQUATE TO SUPPLY ALL ELECTRICAL LOADS THAT THE UNIT WILL POWER. IF POWERING EXCEEDS THE GENERATOR'S CAPACITY, IT MAY BE NECESSARY TO GROUP ONE OR MORE OF THE TOOLS AND/OR EQUIPMENT FOR CONNECTION TO A SEPERATE GENERATOR.

Electrical and other permits may be required for the installation of emergency power systems. Investigate your local building and electrical codes before installing this unit. Installation must be completed by licensed contractors.



WARNING! THE GENERATOR WEIGHS APPROXIMATELY 110 POUNDS. USE CARE AND THE PROPER LIFTING OR HOISTING EQUIPMENT WHEN MOVING IT TO THE INSTALLATION LOCATION. ALWAYS CONNECT HOIST LINES TO THE FRAME OF THE GENERATOR.

General Location

- Make sure to locate and install the generator outdoors where cooling air is readily available.
- Install the generator so that the air inlets and outlets are not blocked by obstructions such as bushes, trees, or snow drifts. Locating it in the path of heavy winds or snowdrifts may require the placement of a barrier for protection. In normal weather conditions, the air vent should face the prevailing wind direction.
- Install the generator on a concrete slab or other area where rain drainage or food waters can not reach it.
- Generator placement should allow four feet of access to all sides for maintenance.
- Place the generator as close as possible to the electrical tools and equipment being powered to reduce the length of extension cords.
- If the generator is located indoors the engine exhaust must be ventilated to the outdoors using leak-proof, heat resistant flexible metal, flex tubing.

Pressure Washer - Air Compressor Combo

APW5202 series combined machine is a multifunctional product with high pressure washer and air compressor. It mainly used for household. architectural. mechanical and vehicle's washing, also can be offer high-pressure air source for air-tool.

When switch knob turn to left, high pressure washer start to work, it mainly consist of motor, eccentric bowl, piston, pump body, bypass switch and spray gun. Eccentric bowl fixed on the extend axis of motor, connected to the piston. The piston assembled in the piston cavity, communicated to the water cavity. Water cavity communicated to the water stream cavity, the latter pass through bypass switch. Along with spray gun's turnoff, cut off power, control motor working.

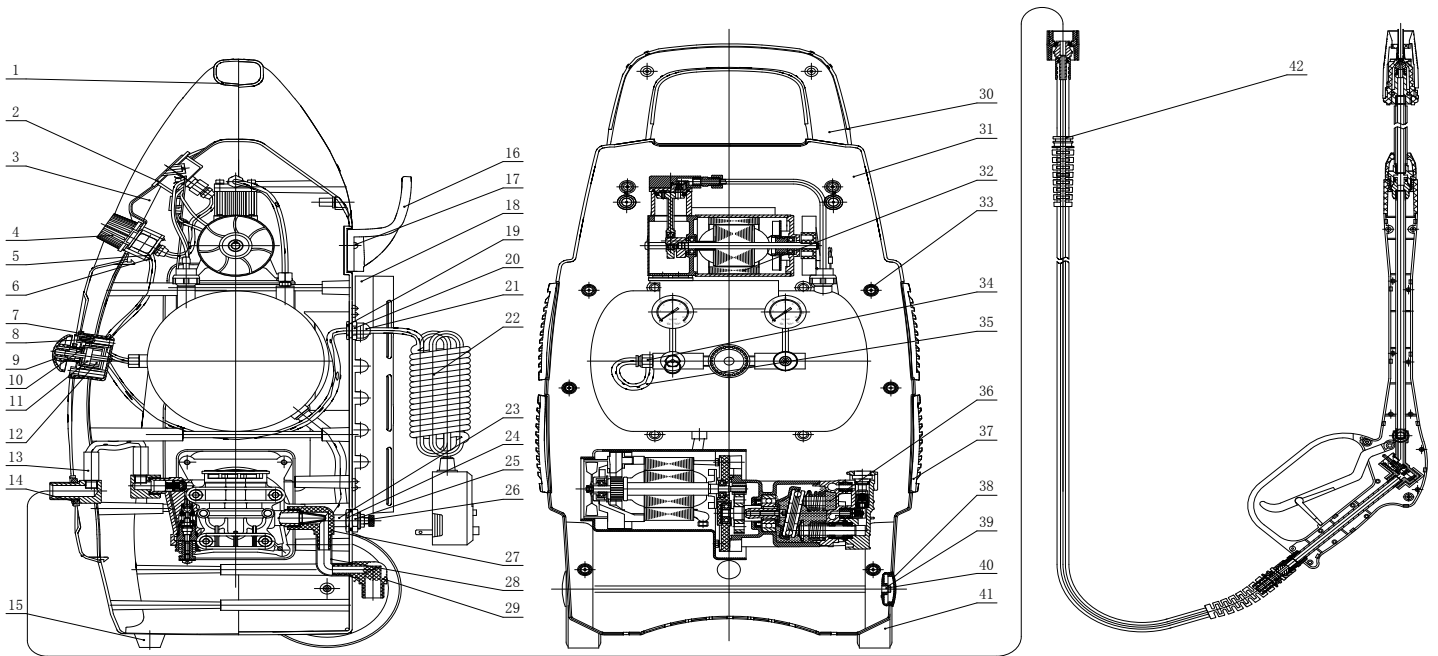
When switch knob turn to right, high pressure washer stop working, air compressor start to work, air compressor mainly consist of motor, connection base, air tank, piston and control switch. Motor drive piston running in air tank, bring air pressure.

Combined machine is a perfect product with washing, maintain, charge function in one machine.

Technological parameter

No.	Model	Voltage/Frequency V/Hz	Washer Pressure Psi /MPa	Max pressure Psi / MPa	Flow GPM L/MIn	Power W
1	APW5202	120V/60Hz	1450	1750	1.6	1800
No.	Model	Air Compressor pressure Psi/MPa	Motor KW/HP	Capacity L/min(CFM)	Air tank L/GAL	
1	APW5202	100(0.7)	0.25(1/3)	28.3(1.0)	5.7(1.5)	

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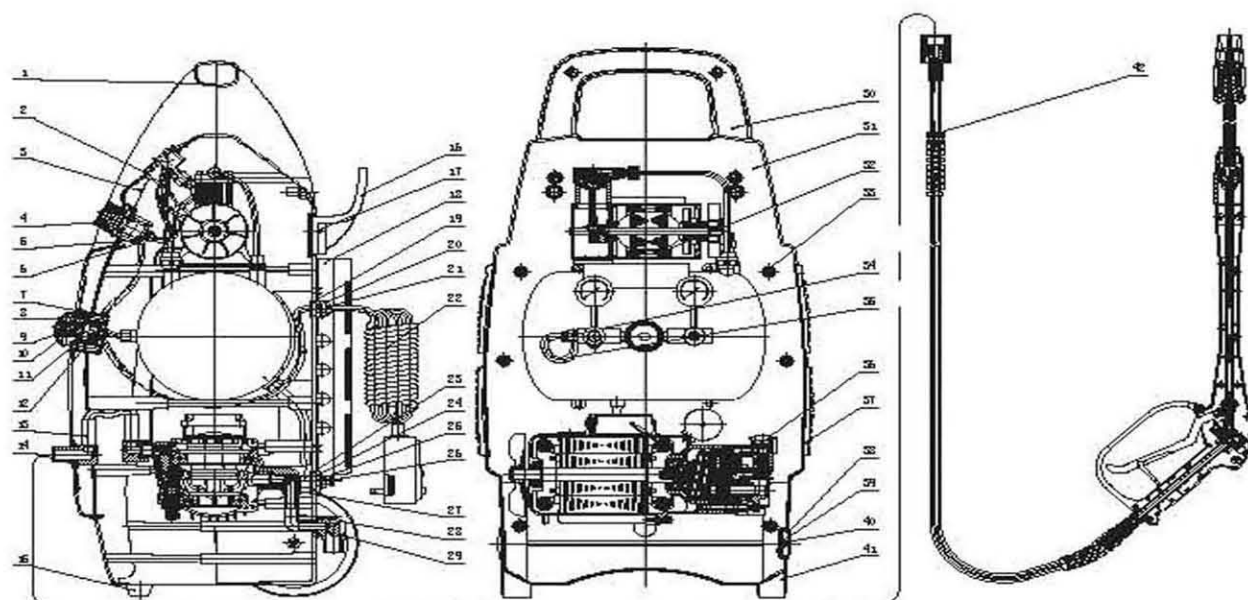


APW5202 Combined Machine Of Washer And Air Compressor Parts List

N0	Name	Qty	N0	Name	Qty
1	Switch panel	1	22	Electric line	1
2	Air pressure table box	1	23	Corrupt discharging hose	1
3	Front cover	1	24	Hexagon washer	1
4	Pressure adjustable pole	1	25	Hexagon nut	1
5	Fixing board	2	26	Corrupt dischared valve	1
6	Cross self-impacted boltST3.5X18	4	27	Water inlet hose 1	1
7	Switch box	1	28	Water inlet pipe	1
8	Cross self-impacted boltST3.5X18	4	29	Water inlet bended hose2	1
9	Switch knob	1	30	Carrying handle	1
10	Pilot lamp cricuitry board	2	31	Back cover	1
11	Linked pole	1	32	Air compressor machine	1
12	Electric switch	2	33	Cross self-impacted boltST3.8X25	10
13	outlet water pipe	1	34	Air hose tie-in bolt	2
14	Hexagon screw cap	1	35	Air pipe	1
15	Rubber washer	2	36	Pressure washer	1
16	Pothook	1	37	Persian blinds	4
17	Cross self-impacted boltST4.5X16	2	38	Axle cover	2
18	Gun shank cover	2	39	Axial stretch stopper	2
19	Plastic nut	1	40	Axle	1
20	Wire through hose	1	41	Wheel	2
21	Fixed screw cap	1	42	Spray gun	1

Pressure Washer - Air Compressor Combo

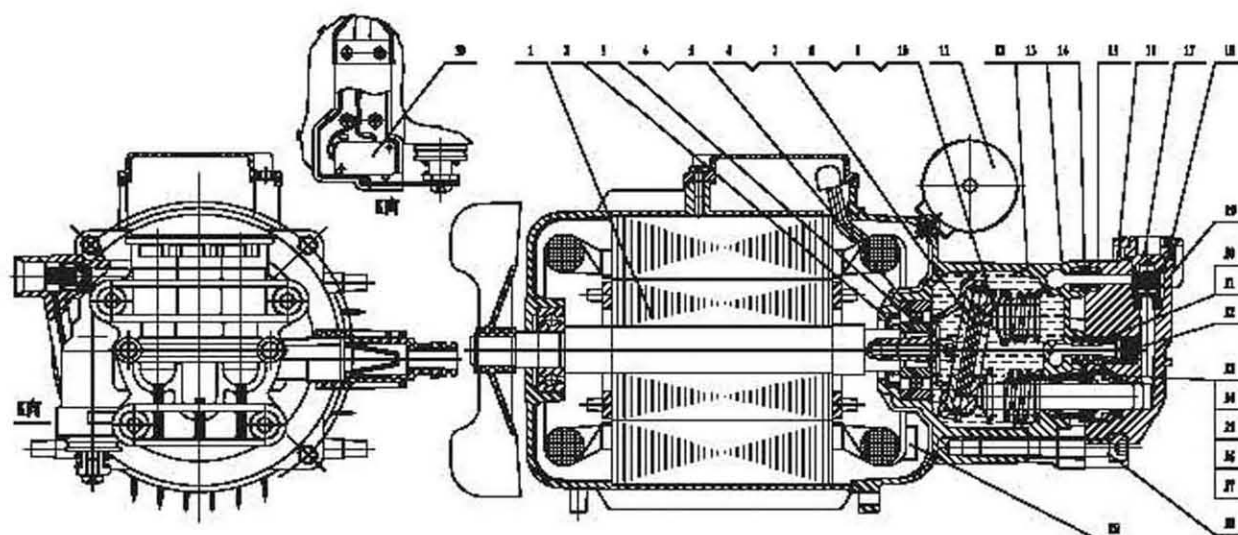
Illustration of components for combined machine of washer and air compressor



WACM-B Combined Machine of Washer and Air Compressor Parts List

NO	Name	Qty	NO	Name	Qty
1	Switch panel	1	22	Electric line	1
2	Air pressure table box	1	23	Corrupt discharging hose	1
3	Front cover	1	24	Hexagon washer	1
4	Pressure adjustable pole	1	25	Hexagon nut	1
5	Fixing board	2	26	Corrupt discharged valve	1
6	Cross self-impacted boltST3.5X18	4	27	Water inlet hose 1	1
7	Switch box	1	28	Water inlet pipe	1
8	Cross self-impacted boltST3.5X18	4	29	Water inlet bended hose2	1
9	Switch knob	1	30	Carrying handle	1
10	Pilot lamp cricuitry board	2	31	Back cover	1
11	Linked pole	1	32	Air compressor machine	1
12	Electric switch	2	33	Cross self-impacted boltST3.8X25	10
13	outlet water pipe	1	34	Air hose tie-in bolt	2
14	Hexagon screw cap	1	35	Air pipe	1
15	Rubber washer	2	36	Pressure washer	1
16	Pothook	1	37	Persian blinds	4
17	Cross self-impacted boltST4.5X16	2	38	Axle cover	2
18	Gun shank cover	2	39	Axial stretch stopper	2
19	Plastic nut	1	40	Axle	1
20	Wire through hose	1	41	Wheel	2
21	Fixed screw cap	1	42	Spray gun	1

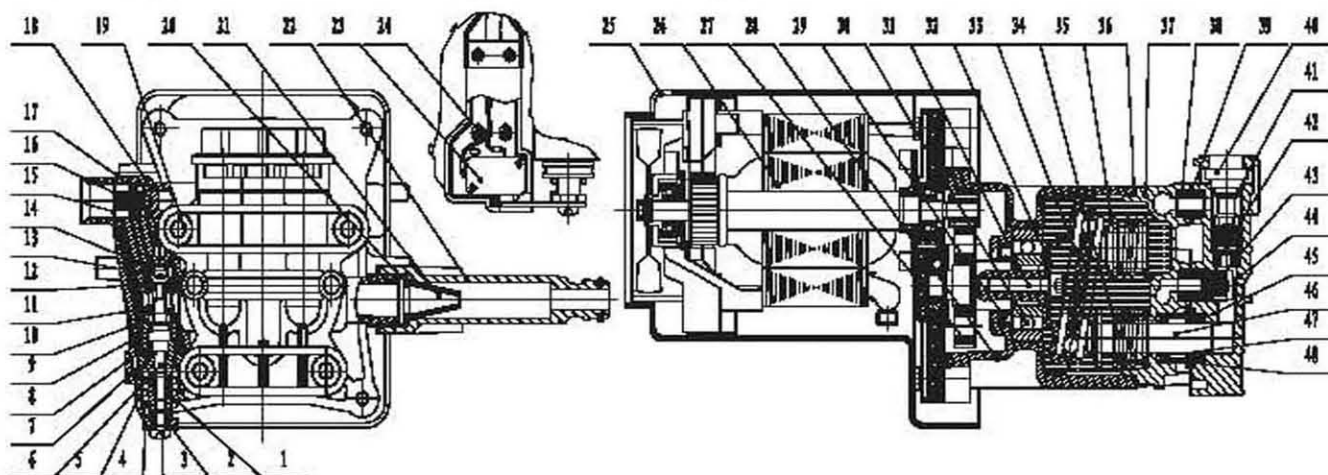
Decomposition chart (Induction motor)



NO	NAME	QTY	NO	NAME	QTY	NO	NAME	QTY
1	MOTOR	1	11	CAPACITOR	1	21	O-RING	6
2	FRAME OIL SEAL	1	12	O-RING	1	22	INLET VALVE	3
3	BEARING	1	13	PUMP BODY	1	23	WATER SEAL	6
4	BOLT	1	14	BRIDGE PIPE	3	24	OIL SEAL	3
5	WASHER	1	15	O-RING	6	25	COPPER WASHER	3
6	THRUST BEARING	1	16	PUMP COVER	1	26	OIL SEAL	3
7	ECCENTRIC BOWL	1	17	VALVE CAP	3	27	PISTON BRACKET	3
8	PISTON	3	18	O-RING	3	28	BOLT	4
9	SPRING	3	19	OUTLET VALVE	3	29	THERMOSNAP	1
10	PISTON WEDGE	3	20	INLET VALVE BASE	3	30	MICRO-SWITCH	1

Pressure Washer - Air Compressor Combo

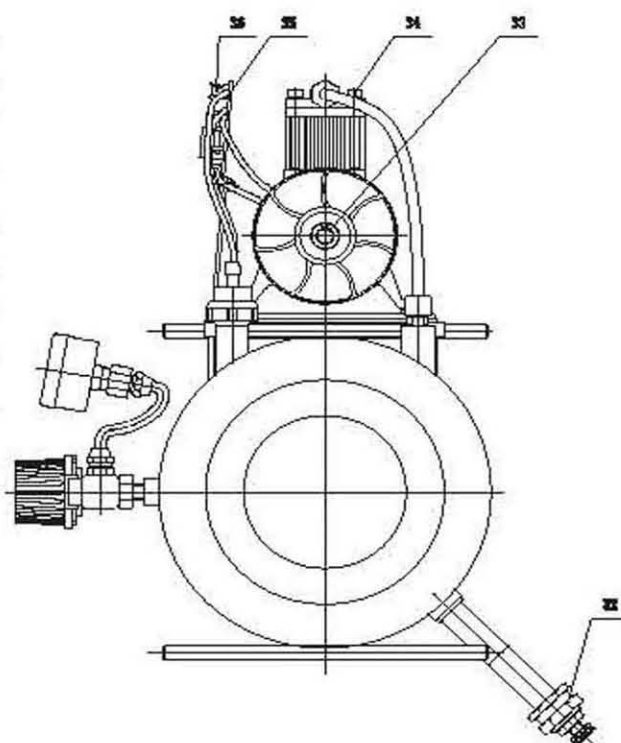
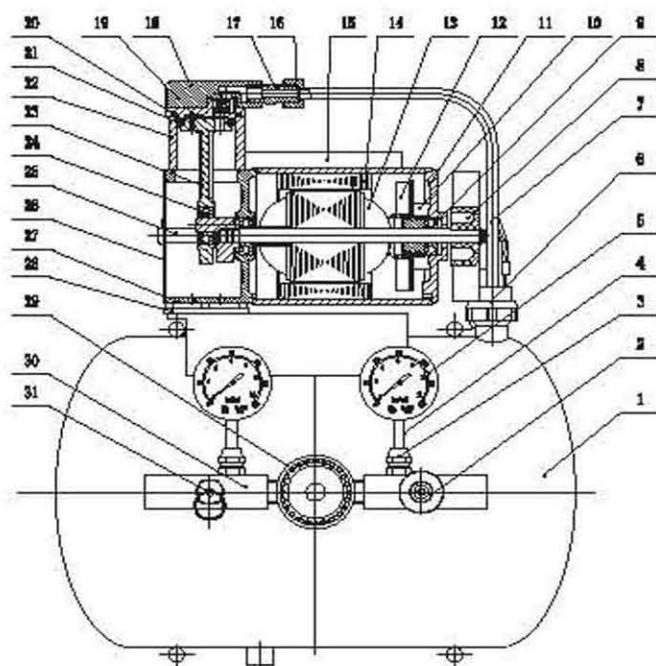
Decomposition chart (Brush motor)



No	Name	QTY	No	Name	QTY	No	Name	QTY
1	NUT	1	17	BYPASS BLOCKER	1	33	THRUST BEARING	1
2	SWITCH ADJUSTOR	1	18	O-RING	1	34	SPRING	3
3	BOLT	1	19	BOLT	4	35	PISTON WEDGE	3
4	SPRING	1	20	RUBBER WASHER	1	36	O-RING	1
5	BYPASS VALVE BASE	1	21	FILTER MESH	1	37	PUMP BODY	1
6	BYPASS CORE	1	22	INLET CONNECTOR	1	38	O-RING	6
7	O-RING	1	23	MICRO-SWITCH	1	39	BRIDGE PIPE	3
8	O-RING	1	24	SWITCH BOX	1	40	LONG/SHORT VALVE CAP	3
9	O-RING	1	25	MOTOR COVER	1	41	O-RING	3
10	O-RING	1	26	MOTOR	1	42	OUTLET VALVE	3
11	VALVE FRAME	1	27	BIG GEAR	1	43	INLET VALVE	3
12	O-RING	1	28	CONNECTION BASE	1	44	PUMP COVER	1
13	VALVE SLICE	1	29	FRAME OIL SEAL	1	45	WATER SEAL	3
14	O-RING	1	30	BEARING	1	46	PISTON	3
15	BYPASS WEDGE	1	31	BOLT	1	47	OIL SEAL	3
16	SPRING	1	32	WASHER	1	48	PISTON BRACKET	3

AIR COMPRESSOR

Decomposition chart (Air Compressor)



No	Name	QTY	No	Name	QTY	No	Name	QTY
1	Gas Storage Tank	1	13	Rotator	1	25	Rocker	1
2	Venthole	1	14	Alnico	2	26	End Cover	1
3	Nut	2	15	Motor Base	1	27	Connector Base	1
4	Windpipe	2	16	Nut	2	28	MAT	2
5	Pressure Meter	2	17	Connector	1	29	Adjusting Valve	1
6	Pressure Switch	1	18	Cylinder Cover	1	30	Connector	2
7	Purple Cooper Pipe	1	19	Screw	1	31	Relief Valve	1
8	Fan	1	20	Seal	1	32	Discharge Valve	1
9	Bearing	2	21	Bowl	1	33	Clamp	1
10	Carbon Brush	2	22	Cylinder	1	34	Screw	4
11	Rear Cover	1	23	Piston	1	35	Circuit Board	1
12	Fan	1	24	Bearing	1	36	Fuse	1