Item No. APC4007

Owner's Manual

8 Gallon Twin Tank Air Compressor

Please read and save these instructions.

HAVE QUESTIONS OR NEED SERVICE
DO NOT RETURN TO STORE!
PLEASE CALL TOLL FREE: 888.896.6881

www.allpoweramerica.com

IMPORTANT SAFETY INSTRUCTIONS

ENGLISH

WARNING: *When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.*

READ ALL INSTRUCTIONS BEFORE USING THIS TOOL

1. **KEEP WORK AREA CLEAN.** Cluttered areas invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp, wet, or poorly lit locations. Don't expose your tool to rain. Keep the work area well lit. Don't use tools in the presence of flammable gases or liquids.
3. **KEEP CHILDREN AND BYSTANDERS AWAY.** All children should be kept away from the work area. Don't let them handle machines, tools or extension cords. Visitors can be a distraction and are difficult to protect from injury.
4. **GROUNDED TOOLS** must be plugged into an outlet that itself is properly installed and grounded. Grounding provides a low-resistance path to carry electricity to the ground and away from the operator, should the tool malfunction electrically. Do not remove the grounding prong from the plug or alter the plug in any way. If in doubt as to whether the outlet is properly grounded according to code, check with a qualified electrician.
5. **OBSERVE PROPER PRECAUTIONS REGARDING DOUBLE INSULATION.** This tool is double insulated. It is equipped with a polarized plug. One blade is wider than the other, so it will fit into a polarized outlet only one way. If you have difficulty inserting the plug, try reversing it. If it still doesn't fit, do not alter the plug; have a qualified electrician install a polarized outlet.
6. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces: pipes, radiators, ranges, and refrigerator enclosures. When your body is grounded the risk of electric shock increases. When working wherever "live" electrical wires may be encountered, try to ascertain whether there is a danger of shock. Even so, DO NOT TOUCH ANY METAL PARTS OF THE TOOL while using it. Hold the tool only by the plastic grip to prevent electric shock if you contact a live wire.
7. **DO NOT ABUSE THE CORD.** Never carry your tool by the cord or pull on the cord to unplug it. Protect the cord from potential sources of damage: heat, oil & solvents, sharp edges, or moving parts. Replace damaged cords immediately.
8. **WHEN WORKING OUTDOORS, USE AN OUTDOOR-RATED EXTENSION CORD.** An extension cord rated for outdoor use must be marked "W-A" or "W".
9. **DO NOT EXPOSE ELECTRICAL POWER TOOLS TO MOISTURE.** Rain or wet conditions can cause water to enter the tool and lead to electric shock.
10. **ENSURE THE EXTENSION CORD YOU USE IS OF SUFFICIENT GAUGE FOR ITS LENGTH.**

Recommended Minimum Wire Gauge for Extension Cords

Amps from Tool Nameplate	25' length	50' length	75' length	100' length	150' length	200' length
0-5 amps	16 ga.	16 ga.	16 ga.	14 ga.	12 ga.	12 ga.
5.1-8 amps	16 ga.	16 ga.	14 ga.	12 ga.	10 ga.	Do Not Use
8.1-12 amps	14 ga.	14 ga.	12 ga.	10 ga.	Do Not Use	Do Not Use
12.1-15 amps	12 ga.	12 ga.	10 ga.	10 ga.	Do Not Use	Do Not Use
15.1-20 amps	10 ga.	10 ga.	10 ga.	Do Not Use	Do Not Use	Do Not Use

11. **STORE IDLE EQUIPMENT.** Store equipment in a dry area to inhibit rust. Equipment also should be in a high location or locked up to keep out of reach of children.
12. **DON'T FORCE THE TOOL.** It will do the job better and more safely at the rate for which it was intended.
13. **USE THE RIGHT TOOL.** Don't force a small tool or attachment to do the work of a larger industrial tool. Don't use a tool for a purpose for which it was not intended.
14. **DRESS PROPERLY.** Don't wear loose clothing or jewelry; they can be caught in moving parts. Protective, non-electrically conductive gloves and non-skid footwear are recommended when working. Wear protective hair covering to contain long hair and keep it from harm.

IMPORTANT SAFETY INSTRUCTIONS

15. **USE EYE PROTECTION.** Use a full-face mask if the work you're doing produces metal filings, dust or wood chips. Goggles are acceptable in other situations. Wear a clean dust mask if the work involves creating a lot of fine or coarse dust.
16. **SECURE WORK.** Use clamps or a vise to hold the work. It's safer than using your hands and it frees both hands to operate the tool.
17. **DON'T OVERREACH.** Keep proper footing and balance at all times. Do not reach over or across machines that are running.
18. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and safe performance. Follow instructions for lubricating and changing accessories. Keep handles dry, clean and free from oil and grease.
19. **AVOID UNINTENTIONAL STARTING.** Be sure the switch is in the **OFF** position before plugging in.
20. **ALWAYS CHECK AND MAKE SURE TO REMOVE ANY ADJUSTING KEYS OR WRENCHES** before turning the tool on. Left attached, these parts can fly off a rotating part and result in personal injury.
21. **DO NOT USE THE TOOL IF IT CANNOT BE SWITCHED ON OR OFF.** Have your tool repaired before using it.
22. **DISCONNNECT THE PLUG FROM POWER BEFORE MAKING ANY ADJUSTMENTS.** Changing attachments or accessories can be dangerous if the tool could accidentally start.
23. **STAY ALERT.** Watch what you are doing & use common sense. Don't operate any tool when you are tired.
24. **CHECK FOR DAMAGED PARTS.** Before using this tool, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mountings, and other conditions that may affect its operation. Inspect screws and tighten any ones that are loose. Any part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in the instruction manual. Have defective switches replaced by an authorized service center. Don't use the tool if switch does not turn it on and off properly.
25. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
26. **SERVICE AND REPAIRS** should be made by qualified repair technicians at an authorized repair centre. Improperly repaired tools could cause serious shock or injury.

SAFETY PRECAUTIONS FOR

1. **COMPRESSED AIR CAUTIONS:** Compressed air from this unit may contain carbon monoxide. The air produced is neither suitable for breathing nor food processing without filtering and testing to all applicable legal standards.
2. **AIR ONLY:** Use this compressor for compressing air only. Do not compress other gases.
3. **BREATHING PROTECTION:** Always use a respirator when spraying paint or chemicals.
4. **MAINTAIN TOOLS WITH CARE.** Keep tools clean for better and safer performance. Follow instructions for lubricating and changing accessories. Keep dry, clean and free from oil and grease.
5. **NEVER USE THIS EQUIPMENT** if it is leaking air; has missing or damaged parts, guards, or shields; or requires repair. Make sure all screws and caps are securely tightened.
6. **DO NOT USE THE AIR HOSE** to move the compressor. Release the pressure in the storage tank before moving.
7. **DO NOT ATTEMPT ANY MAINTENANCE OR ADJUSTMENT** with the compressor in operation, the power connected, or air under pressure in the system.
8. **DON'T OVERREACH.** Keep proper footing and balance at all times. Do not reach over or across machines that are running.

SAFETY PRECAUTIONS FOR

9. **CHECK FOR DAMAGED PARTS**. Make frequent inspections for the correct function of components and safety mechanism.
10. **REPLACEMENT PARTS**. When servicing, use only identical Superior replacement parts and fasteners recommended by us.
11. **EMPLOYERS** must enforce compliance with the safety warnings and all other instructions in this manual. Keep it available for use by everyone assigned to use this equipment.

GROUNDING INSTRUCTIONS

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a groundingwire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING - Improper installation of the grounding plug can result in a risk of electricshock.When repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. Do not modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product. If the product must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel.

SAFETY PRECAUTIONS FOR COMPRESSOR COMPONENTS

- ☐ **TANK SAFETY VALVE:** This valve prevents damage to the air receiver if a malfunction in the compressor pump occurs. It is factory pre-set at a limit specific to your particular model and adjustment. Do not tamper with it. This will automatically void your warranty.
- ☐ **PRESSURE SWITCH:** The air pressure switch is factory pre-set for optimum performance. Do not bypass or remove this switch. Serious damage to equipment or personal injury could result from too high an air pressure.
- ☐ **MOTOR AND COMPRESSOR PUMP:** Air compressors get hot during operation. Do not touch the motor, discharge tubing, or compressor while it is running. The compressor turns itself on automatically while the power is connected.
- ☐ **AIR TANKS:** Over-pressurizing the air receivers, piping or tanks could cause it to explode or burst. To protect from over-pressurizing, the compressor is equipped with a factory preset safety valve. **Do not** remove, make adjustments to or substitutions for this valve. Perform a test of the valve from time to time: pull the ring on the valve to make sure that it operates freely. If the valve does not operate freely, replace it before further use. Never weld to, drill into, or change the air receivers in any way.
- ☐ **TAMPERING:** If any of the components above are found to have been changed or tampered with, the warranty will be made void. When servicing, we recommend using only identical Superior replacement parts and any replacement parts used must have the same specification as the original equipment.

SPECIFICATIONS

- 8 gallon-2x4 gal. stacked tanks
- Oil lubricated for durability and long life- triple the pump life of comparable oil-free compressors
- Extremely quite operation
- Rubber grip carry handle
- Includes air line regulator & gauge-allows setting exact line pressure (may require attachment to compressor)
- Oil Breather cap (may require attachment to compressor)
- Quick-connect air line fitting
- Tough powder coated finish
- 115 Volt, 60Hz, 14.4 Amp
- 3400 rpm
- 4.1 cfm @ 90 psi
- Maximum pressure: 125 psi
- Weight 80.5 lbs (36.5 kg)

OPERATING INSTRUCTIONS

Your new air compressor can be used for operating paint, weed killer, and insecticide sprayers, air tools, grease & caulking guns, sandblasters, inflation, etc. A tool with a higher air demand than this compressor can produce may either not function, or not function well. It may also cause the compressor to run without stopping for long periods of time, trying to maintain pressure in the tank. This can cause either the motor or compressor pump to overheat and damage them. Be sure the requirements of your tools can be met by the compressor.

To compress air, the piston in the pump moves up and down in the cylinder. On the down stroke, air is drawn in through the inlet valve. Since the discharge valve remains closed, as the piston goes up, the air in the cylinder is compressed. The inlet valve closes and compressed air is forced out into the air receiver. A check valve prevents it from going back into the pump. Working air is not immediately available. The pump continues to add air until the air receiver pressure builds to above that required at the regulator.

INSTALLATION AND LOCATION

Locate the compressor in a clean, dry and well-ventilated area, on a firm level surface. It should be located 12 to 18 inches from a wall or any other obstruction that would interfere with the air flow. It is equiped with heat dissipation fins that allow for proper cooling. Keep them and other parts free of dust or dirt that could interfere with cooling. A clean compressor runs cooler and provides longer service. Do not place anything on top of the compressor.

WARNING: *Do not use lead-tin solder to join pipes and fittings. It can melt at the temperatures of the compressor's air discharge and cause the piping to burst.*

EXTENSION CORDS

If you plan to use an extension cord when operating your air compressor, please note:

- Maximum length: not to exceed 50 ft.
- Minimum wire size: 14 gauge.
- If the extension cord is too long or the wire size is too small, the air compressor will not start.

COMPRESSOR LUBRICATION

1. CHECK THE OIL quantity and quality before operating the compressor. Do not add or change oil while the compressor is in operation. Use only oil with the correct specifications
2. With the air compressor on level surface, the oil level should be at the red dot on the oil level sight glass.
3. If oil level is low, remove oil fill plug/breather cap, add enough oil to bring level to the red dot. Do not over-fill.
4. Replace oil fill plug before starting compressor.

DRAINING THE OIL

1. Remove the oil drain plug (oil level sight glass). Allow oil to drain completely.
2. Replace the oil drain plug (we recommend the use of a sealing compound or teflon tape to avoid leakage). Do not over-tighten.
3. Refill with the recommended oil to the red dot in the oil level sight glass.

BEFORE OPERATING:

1. Check that all nuts and bolts are all snug.
2. Check the quantity and quality of oil (see compressor lubrication, above).

OPERATING INSTRUCTIONS

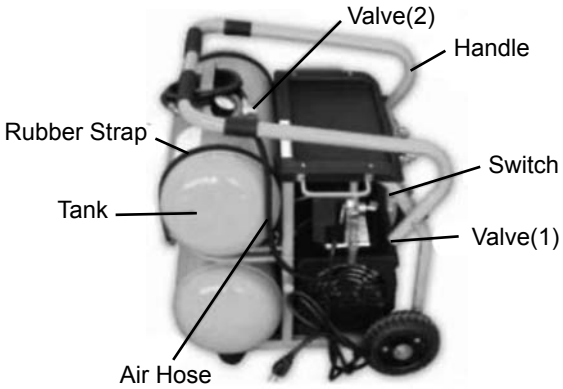
INITIAL BREAK-IN
1. Open to permit air to escape, so air pressure builds up in the air tank.
2. Plug power supply cord into correct power source.
3. Run the compressor in this no-load condition for 20 to 30 minutes to lubricate.
4. Close the air tank drain cock.
5. Your compressor is now ready for use.

• AFTER 2 WEEKS, TIGHTEN ALL NOTS AND BOLTS, INCLUDING HEAD BOLTS.

TANK REMOVAL/INSTALLATION

WARNING: Before removing or installing the portable air tank, be sure to disconnect air compressor unit from power source.

REMOVING THE AIR TANK:
1. Turn the power switch off.
2. Lift the carry handle up and away from the portable tank.
3. Close the valve (1).
4. Disconnect the valve (2).
5. Loosen the rubber straps to release the air tank.



WARNING: Becarefull when releasing the straps they do have a tight fit.

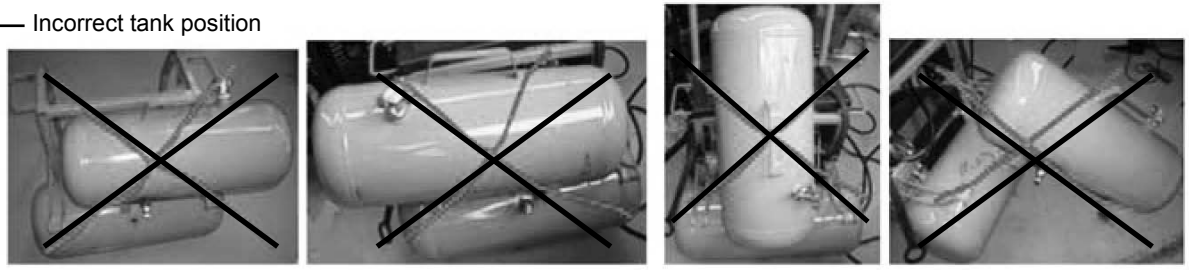
The tank has now been properly disconnected from the air compressor unit. You can now move the tank freely

Installing the air tank:
1. Turn the power switch off.
2. Place the portable air tank in the appropriate position. For correct position see picture below.
3. Fix the air tank to the compressor unit using the rubber straps.
4. Reconnect the valve. (2)
5. Open the valve. (1)

Correct tank position

The portable air tank has been properly installed and connected to the air compressor unit. Your air compressor is now ready for use.

Incorrect tank position



MAINTENANCE

Before any maintenance or adjustments to your air compressor, **always** take the following safety precautions:

1. Disconnect electrical power.
2. Open the drain cock to drain air tank of pressure.

DAILY MAINTENANCE

Before each use:
- ☐ Check the oil level
- ☐ Be sure all nuts and bolts are tight
- ☐ Check for any unusual noise or vibration
- ☐ After use: open the air tank drain cock to drain condensation from tank

MONTHLY MAINTENANCE:

- ☐ Inspect air system for leaks by applying soapy water to all joints.
- ☐ Tighten those joints if leakage is observed.
- ☐ Check that all nuts and bolts stay tight.

MAINTENANCE

250 HOURS OR SIX (6) MONTHS (whichever comes first)

- ☐ Change compressor oil (see compressor lubrication, above)
- ☐ Paint spraying operations or dusty environments may require you replace oil more often

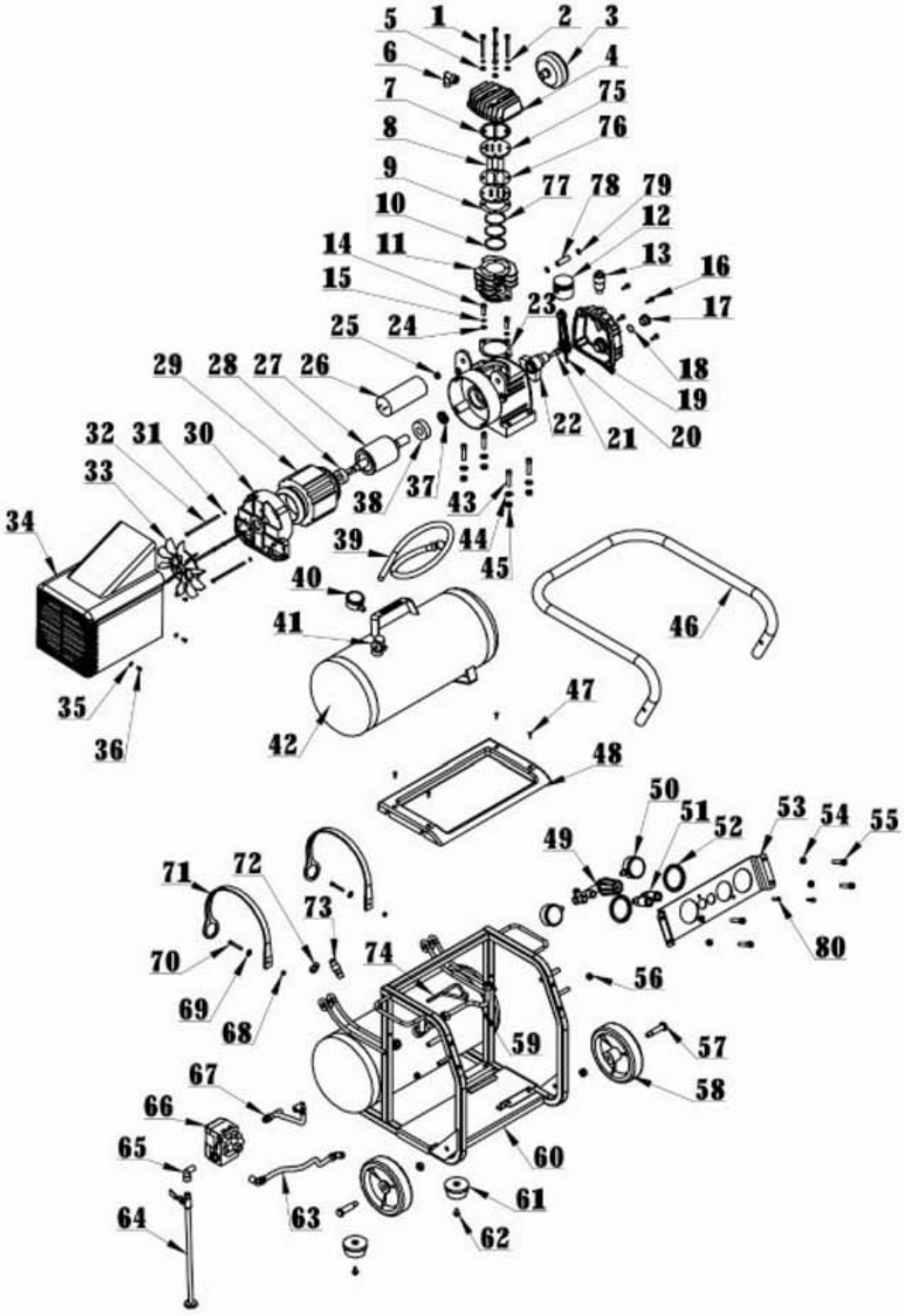
CAUTION:

- ☐ All air line components (including hoses, pipe, connectors, filters, & regulators, etc.) must be rated for a minimum working pressure of 150 psi or 150% of the maximum system pressure, whichever is greater.
- ☐ Disconnect any tools from the air supply before performing maintenance, clearing a jammed fastener, leaving the work area, moving the tool to another location, or handing it to another person.
- ☐ When cleaning air filter, or any parts in direct contact with the air production, do not use any flammable or toxic cleaner or solvent
- ☐ During the break in period, nuts and bolts have a tendency to loosen up. After two weeks, tighten all nuts and bolts including head bolts.

TROUBLESHOOTING

Will not start	
Fuse blown or circuit breaker tripped	Check for cause and replace or reset
Loose electrical connections	Check wiring connections
Extension cord not correct	Max. 15m / 50 ft., Min. 14ga
Overheated motor	Use reset button/wait for automatic reset
Low pressure	
Air leak in safety valve	Check valve manually: pull upward on rings. If condition persists, replace valve
Restricted air filter	Clean or replace air filter
Defective check valve	Replace check valve
Safety valve releasing	
Defective pressure switch or improper adjustment	Check for proper adjustment and if problem persists, replace pressure switch
Oil discharge in air	
Improper oil viscosity	Replace with SAE20 or SAE30 non-detergent oil
Too much oil in crankcase	Drain crankcase and fill to proper level
Compressor overheated	
Air pressure regulated too high	
Restricted air filter	Clean or replace air filter.

SCHEMATIC DRAWING



Warning: Repairs should be made by an aothorized repair center. Opening this tool could invalidate your warranty.

PARTS LIST

ENGLISH

Please refer to the Schematic Drawing on page 19.

No.	Description	No.	Description
SPT283-1	Head Bolt	SPT283-41	Combination Valve
SPT283-2	Spring Washer	SPT283-42	Tank 1
SPT283-3	Air Filter	SPT283-43	Head Bolt
SPT283-4	Cylinder Head	SPT283-44	Spring Washer
SPT283-5	Washer	SPT283-45	Washer
SPT283-6	Exhaust Pipe	SPT283-46	Handle
SPT283-7	Gasket	SPT283-47	Head Bolt
SPT283-8	Valve Plate	SPT283-48	Tray
SPT283-9	Gasket	SPT283-49	Regulator
SPT283-10	Compression Ring	SPT283-50	Pressure Gauge
SPT283-11	Cylinder	SPT283-51	Air Cock
SPT283-12	Piston	SPT283-52	Rubber Bushing
SPT283-13	Oil Breather Cap	SPT283-53	Panel
SPT283-14	Head Bolt	SPT283-54	Nut
SPT283-15	Spring Washer	SPT283-55	Head Bolt
SPT283-16	Head Bolt	SPT283-56	Nut
SPT283-17	Oil Sight Glass	SPT283-57	Head Bolt
SPT283-18	O-ring	SPT283-58	Wheel
SPT283-19	Crankcase Cover	SPT283-59	Exhaust Pipe
SPT283-20	Connecting Rod	SPT283-60	Tank 2
SPT283-21	Head Bolt	SPT283-61	Rubber Foot
SPT283-22	Crank Shaft	SPT283-62	Head Bolt
SPT283-23	Gasket	SPT283-63	Exhaust Pipe
SPT283-24	Washer	SPT283-64	Leather Hose
SPT283-25	Nut	SPT283-65	Elbow Joint
SPT283-26	Capacitor	SPT283-66	Pressure Gauge
SPT283-27	Rotor	SPT283-67	Exhaust Pipe
SPT283-28	Bearing	SPT283-68	Nut
SPT283-29	Stator	SPT283-69	Washer
SPT283-30	Support Bracket	SPT283-70	Head Bolt
SPT283-31	Spring Washer	SPT283-71	Rubber Strap
SPT283-32	Head Bolt	SPT283-72	Drain Cock
SPT283-33	Fan	SPT283-73	Safety Valve
SPT283-34	Cover	SPT283-74	Unloader Tube
SPT283-35	Washer	SPT283-75	Valve Assembly
SPT283-36	Head Bolt	SPT283-76	Valve Plate Spacer
SPT283-37	Shaft Seal	SPT283-77	Piston Ring
SPT283-38	Bearing	SPT283-78	Piston Ring Set
SPT283-39	Leather Hose	SPT283-79	Circlips
SPT283-40	Pressure Gauge	SPT283-80	Head Bolt

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 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 nearest Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser. Air compressors with 60 and 80 gallon tanks will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center that provides on-site service calls for service call arrangements. If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact All-Power America @ 888-896-6881.

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 determined 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.

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