

Owner's Manual



Permanently Lubricated
Single Stage
Portable

AIR COMPRESSOR

Model No.

919.167620

- Safety Guidelines
- Assembly
- Operation
- Maintenance
- Troubleshooting
- Repair Parts

CAUTION: Read the Safety Guidelines
and All Instructions Carefully Before
Operating.

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

Visit our Craftsman website: www.sears.com/craftsman

TABLE OF CONTENTS

WARRANTY 2
SPECIFICATION CHART 3
SAFETY GUIDELINES 3-8
GLOSSARY 9
ACCESSORIES 10
DUTY CYCLE 10
ASSEMBLY 10
INSTALLATION 10-12
OPERATION 12-14
MAINTENANCE 15-16
SERVICE AND ADJUSTMENTS 17-18
STORAGE 18
TROUBLESHOOTING GUIDE 19-21
REPAIR PARTS 22-25
ESPAÑOL 26-45
NOTES/NOTAS 46
REPAIR PROTECTION AGREEMENTS 47
HOW TO ORDER REPAIR PARTS back cover

WARRANTY

ONE YEAR FULL WARRANTY

If this product fails due to a defect in material or workmanship within one year from the date of purchase, Sears will at its option repair or replace it free of charge. Contact Sears at 1-800-4-MY-HOME® to arrange for repair, or return it to the place of purchase for replacement.

If this product is used for commercial or rental purposes, this warranty applies for only ninety days from the date of purchase.

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

Sears, Roebuck and Co., Dept. 817WA, Hoffman Estates, IL 60179

SPECIFICATION CHART

Model No.	919.167620
Running HP	*1.6
Bore	2.875"
Stroke	1.45"
Voltage-Single Phase	120V/60HZ
Minimum Branch Circuit Requirement	15 amps
Fuse Type	Time Delay
Air Tank Capacity (gallons)	33
Approx. Cut-In	120 PSI
Approx. Cut-out	150 PSI
SCFM @ 40 psig	*6.3
SCFM @ 90 psig	*4.9

* Tested per ISO 1217
 Refer to Glossary for abbreviations.

SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting **YOUR SAFETY** and **PREVENTING EQUIPMENT PROBLEMS**. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these symbols.

<p>⚠ DANGER: Indicates an imminently hazardous situation which, if not avoided, <u>will</u> result in <u>death or serious injury</u>.</p>	<p>⚠ CAUTION: Indicates a potentially hazardous situation which, if not avoided, <u>may</u> result in <u>minor or moderate injury</u>.</p>
<p>⚠ WARNING: Indicates a potentially hazardous situation which, if not avoided, <u>could</u> result in <u>death or serious injury</u>.</p>	<p>CAUTION: Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in <u>property damage</u>.</p>

IMPORTANT SAFETY INSTRUCTIONS

⚠ WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some example of these chemicals are:

- lead from lead-based paints
- crystalline silica from bricks and cement and other masonry products
- arsenic and chromium from chemically-treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, always wear OSHA/MSHA/NIOSH approved, properly fitting face mask or respirator when using such tools.

When using air tools, basic safety precautions should always be followed to reduce the risk of of personal injury.

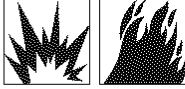
⚠ WARNING: This product contains chemicals, known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling.

⚠ WARNING: Do not operate this unit until you read and understand this instruction manual for safety, operation and maintenance instructions.



SAVE THESE INSTRUCTIONS

HAZARD



⚠ DANGER: RISK OF EXPLOSION OR FIRE

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> It is normal for electrical contacts within the motor and pressure switch to spark. 	<ul style="list-style-type: none"> Always operate the compressor in a well ventilated area free of combustible materials, gasoline, or solvent vapors.
<ul style="list-style-type: none"> If electrical sparks from compressor come into contact with flammable vapors, they may ignite, causing fire or explosion. 	<ul style="list-style-type: none"> If spraying flammable materials, locate compressor at least 20 feet (6.1 m) away from spray area. An additional length of air hose may be required. Store flammable materials in a secure location away from compressor.
<ul style="list-style-type: none"> Restricting any of the compressor ventilation openings will cause serious overheating and could cause fire. 	<ul style="list-style-type: none"> Never place objects against or on top of compressor. Operate compressor in an open area at least 12" (30.5 cm) away from any wall or obstruction that would restrict the flow of fresh air to the ventilation openings. Operate compressor in a clean, dry well ventilated area. Do not operate unit indoors or in any confined area.
<ul style="list-style-type: none"> Unattended operation of this product could result in personal injury or property damage. To reduce the risk of fire, do not allow the compressor to operate unattended. 	<ul style="list-style-type: none"> Always remain in attendance with the product when it is operating. Always turn off and unplug unit when not in use.

HAZARD



⚠ DANGER: RISK TO BREATHING (ASPHYXIATION)

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> The compressed air directly from your compressor is not safe for breathing. The air stream may contain carbon monoxide, toxic vapors, or solid particles from the air tank. Breathing these contaminants can cause serious injury or death. 	<ul style="list-style-type: none"> Air obtained directly from the compressor should never be used to supply air for human consumption. In order to use air produced by this compressor for breathing, suitable filters and in-line safety equipment must be properly installed. In-line filters and safety equipment used in conjunction with the compressor must be capable of treating air to all applicable local and federal codes prior to human consumption.
<ul style="list-style-type: none"> Sprayed materials such as paint, paint solvents, paint remover, insecticides, weed killers, may contain harmful vapors and poisons. 	<ul style="list-style-type: none"> Work in an area with good cross ventilation. Read and follow the safety instructions provided on the label or safety data sheets for the materials you are spraying. Always use certified safety equipment: OSHA/MSHA/NIOSH respiratory protection designed for use with your specific application.

HAZARD



⚠ WARNING: RISK OF BURSTING

Air Tank: The air tank on your Air Compressor is designed and may be UM coded (for units with air tanks greater than 6" (152 mm) diameter) according to ASME Section VIII, Div. 1 rules. All pressure vessels should be inspected once every two years. To find your state pressure vessels inspector, look under the Division of Labor and Industries in the government section of a phone book .

The following conditions could lead to a weakening of the air tank, and result in a violent air tank explosion:

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> Failure to properly drain condensed water from air tank, causing rust and thinning of the steel air tank. 	<ul style="list-style-type: none"> Drain air tank daily or after each use. If air tank develops a leak, replace it immediately with a new air tank or replace the entire compressor.
<ul style="list-style-type: none"> Modifications or attempted repairs to the air tank. 	<ul style="list-style-type: none"> Never drill into, weld, or make any modifications to the air tank or its attachments. Never attempt to repair a damaged or leaking air tank. Replace with a new air tank.

<ul style="list-style-type: none"> Unauthorized modifications to the safety valve or any other components which control air tank pressure. 	<ul style="list-style-type: none"> The air tank is designed to withstand specific operating pressures. Never make adjustments or parts substitutions to alter the factory set operating pressures.
---	---

Attachments & accessories:

<ul style="list-style-type: none"> Exceeding the pressure rating of air tools, spray guns, air operated accessories, tires, and other inflatables can cause them to explode or fly apart, and could result in serious injury. 	<ul style="list-style-type: none"> Follow the equipment manufacturers recommendation and never exceed the maximum allowable pressure rating of attachments. Never use compressor to inflate small low pressure objects such as children's toys, footballs, basketballs, etc.
--	---

Tires:

<ul style="list-style-type: none"> Over inflation of tires could result in serious injury and property damage. 	<ul style="list-style-type: none"> Use a tire pressure gauge to check the tires pressure before each use and while inflating tires; see the tire sidewall for the correct tire pressure. <p>NOTE: Air tanks, compressors and similar equipment used to inflate tires can fill small tires similar to these very rapidly. Adjust pressure regulator on air supply to no more than the rating of the tire pressure. Add air in small increments and frequently use the tire gauge to prevent over inflation.</p>
---	--

HAZARD



⚠ WARNING: RISK OF ELECTRICAL SHOCK

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> Your air compressor is powered by electricity. Like any other electrically powered device, if it is not used properly it may cause electric shock. 	<ul style="list-style-type: none"> Never operate the compressor outdoors when it is raining or in wet conditions. Never operate compressor with protective covers removed or damaged.
<ul style="list-style-type: none"> Repairs attempted by unqualified personnel can result in serious injury or death by electrocution. 	<ul style="list-style-type: none"> Any electrical wiring or repairs required on this product should be performed by authorized service center personnel in accordance with national and local electrical codes.
<ul style="list-style-type: none"> Electrical Grounding: Failure to provide adequate grounding to this product could result in serious injury or death from electrocution. Refer to "Grounding Instructions" paragraph in the "Installation" section. 	<ul style="list-style-type: none"> Make certain that the electrical circuit to which the compressor is connected provides proper electrical grounding, correct voltage and adequate fuse protection.

HAZARD



⚠ WARNING: RISK FROM FLYING OBJECTS

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none">The compressed air stream can cause soft tissue damage to exposed skin and can propel dirt, chips, loose particles, and small objects at high speed, resulting in property damage or personal injury.	<ul style="list-style-type: none">Always wear certified safety equipment: ANSI Z87.1 eye protection (CAN/CSA Z94.3) with side shields when using the compressor.Never point any nozzle or sprayer toward any part of the body or at other people or animals.Always turn the compressor off and bleed pressure from the air hose and air tank before attempting maintenance, attaching tools or accessories.

HAZARD



⚠ WARNING: RISK OF HOT SURFACES

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none">Touching exposed metal such as the compressor head, engine head, engine exhaust or outlet tubes, can result in serious burns.	<ul style="list-style-type: none">Never touch any exposed metal parts on compressor during or immediately after operation. Compressor will remain hot for several minutes after operation.Do not reach around protective shrouds or attempt maintenance until unit has been allowed to cool.

HAZARD



⚠ WARNING: RISK FROM MOVING PARTS

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none">Moving parts such as the pulley, flywheel, and belt can cause serious injury if they come into contact with you or your clothing.	<ul style="list-style-type: none">Never operate the compressor with guards or covers which are damaged or removed.Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.Air vents may cover moving parts and should be avoided as well.

<ul style="list-style-type: none"> Attempting to operate compressor with damaged or missing parts or attempting to repair compressor with protective shrouds removed can expose you to moving parts and can result in serious injury. 	<ul style="list-style-type: none"> Any repairs required on this product should be performed by authorized service center personnel.
--	--

HAZARD



⚠ WARNING: RISK OF UNSAFE OPERATION

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> Unsafe operation of your air compressor could lead to serious injury or death to you or others. 	<ul style="list-style-type: none"> Review and understand all instructions and warnings in this manual. Become familiar with the operation and controls of the air compressor. Keep operating area clear of all persons, pets, and obstacles. Keep children away from the air compressor at all times. Do not operate the product when fatigued or under the influence of alcohol or drugs. Stay alert at all times. Never defeat the safety features of this product. Equip area of operation with a fire extinguisher. Do not operate machine with missing, broken, or unauthorized parts.

HAZARD



⚠ WARNING: RISK OF FALLING

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none"> A portable compressor can fall from a table, workbench, or roof causing damage to the compressor and could result in serious injury or death to the operator. 	<ul style="list-style-type: none"> Always operate compressor in a stable secure position to prevent accidental movement of the unit. Never operate compressor on a roof or other elevated position. Use additional air hose to reach high locations.

HAZARD



⚠ WARNING: RISK OF INJURY FROM LIFTING

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none">• Serious injury can result from attempting to lift too heavy an object.	<ul style="list-style-type: none">• The compressor is too heavy to be lifted by one person. Obtain assistance from others before lifting.

HAZARD



⚠ CAUTION: RISK FROM NOISE

WHAT CAN HAPPEN	HOW TO PREVENT IT
<ul style="list-style-type: none">• Under some conditions and duration of use, noise from this product may contribute to hearing loss.	<ul style="list-style-type: none">• Always wear certified safety equipment: ANSI S12.6 (S3.19) hearing protection.

SAVE THESE INSTRUCTIONS FOR FUTURE USE

GLOSSARY

Become familiar with these terms before operating the unit.

CFM: Cubic feet per minute.

SCFM: Standard cubic feet per minute; a unit of measure of air delivery.

PSIG: Pounds per square inch gauge; a unit of measure of pressure.

Code Certification: Products that bear one or more of the following marks: UL, CUL, ETL, CETL, have been evaluated by OSHA certified independent safety laboratories and meet the applicable Standards for Safety.

Cut-In Pressure: While the motor is off, air tank pressure drops as you continue to use your accessory. When

the tank pressure drops to a certain low level the motor will restart automatically. The low pressure at which the motor automatically restarts is called "cut-in" pressure.

Cut-Out Pressure: When an air compressor is turned on and begins to run, air pressure in the air tank begins to build. It builds to a certain high pressure before the motor automatically shuts off, protecting your air tank from pressure higher than its capacity. The high pressure at which the motor shuts off is called "cut-out" pressure.

Branch Circuit: Circuit carrying electricity from electrical panel to outlet.

ACCESSORIES

This unit is capable of powering the following Accessories. The accessories are available through the current Power and Hand Tool Catalog or full-line Sears stores.

Accessories

- In Line Filter
- Tire Air Chuck
- Quick Connector Sets (various sizes)
- Air Pressure Regulators
- Oil Fog Lubricators
- Air Hose: 1/4", 3/8" or 1/2" I.D. in various lengths

Refer to the selection chart located on the unit to select the tools this unit is capable of powering.

⚠ WARNING: The use of any other accessory not recommended for use with this tool could be hazardous. Use only accessories rated equal to or higher than the rating of the air compressor.

DUTY CYCLE

This air compressor pump is capable of running continuously. However, to prolong the life of your air compressor, it is recommended that a 50%-75% average duty cycle be maintained; that

is, the air compressor pump should not run more than 30-45 minutes in any given hour.

ASSEMBLY

Unpacking

1. Remove unit from carton and discard all packaging.

INSTALLATION

HOW TO SET UP YOUR UNIT

Location of the Air Compressor

- Locate the air compressor in a clean, dry and well ventilated area.
- The air compressor should be located at least 12" (30.5 cm) away from the wall or other obstructions that will interfere with the flow of air.
- Place the air compressor on a flat level surface resting on the rubber bumpers and wheels
- The air compressor pump and shroud are designed to allow for proper cooling. The ventilation openings on the compressor are necessary to maintain proper operating temperature. Do not place rags or other containers on or near these openings.

GROUNDING INSTRUCTIONS

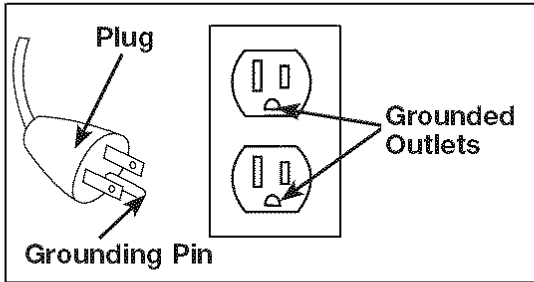
⚠ WARNING: Risk of Electrical Shock. In the event of a short circuit, grounding reduces the risk of shock by providing an escape wire for the electric current. This air compressor must be properly grounded.

The portable air compressor is equipped with a cord having a grounding wire with an appropriate grounding plug (see following illustrations).

1. The cord set and plug with this unit contains a grounding pin. This plug **MUST** be used with a grounded outlet.

IMPORTANT: The outlet being used must be installed and grounded in accordance with all local codes and ordinances.

2. Make sure the outlet being used has the same configuration as the grounded plug. **DO NOT USE AN ADAPTER.** See illustration.



3. Inspect the plug and cord before each use. Do not use if there are signs of damage.
4. If these grounding instructions are not completely understood, or if in doubt as to whether the compressor is properly grounded, have the installation checked by a qualified electrician.

⚠ DANGER: Risk of Electrical Shock. **IMPROPER GROUNDING CAN RESULT IN ELECTRICAL SHOCK.**

Do not modify the plug provided. If it does not fit the available outlet, a correct outlet should be installed by a qualified electrician.

Repairs to the cord set or plug **MUST** be made by a qualified electrician.

EXTENSION CORDS

If an extension cord must be used, be sure it is:

- a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that will accept the plug on the product
- in good condition
- no longer than 50 feet (15.2 m)
- 12 gauge (AWG) or larger. (Wire size increases as gauge number decreases. 10 AWG and 8 AWG may also be used. **DO NOT USE 14 OR 16 AWG.**)

⚠ CAUTION: The use of an undersized extension cord will cause voltage to drop resulting in power loss to the motor and overheating. Instead of using an extension cord, increase the working reach of the air hose by

attaching another length of hose to its end. Attach additional lengths of hose as needed. Always use an air hose rated 300 PSI or greater.

VOLTAGE AND CIRCUIT PROTECTION

Refer to the specification chart for the voltage and minimum branch circuit requirements.

⚠ CAUTION: Certain air compressors can be operated on a 15 amp circuit if the following conditions are met.

1. Voltage supply to circuit must comply with the National Electrical Code.
2. Circuit is not used to supply any other electrical needs.
3. Extension cords comply with specifications.
4. Circuit is equipped with a 15 amp circuit breaker or 15 amp time delay fuse. **NOTE:** If compressor is connected to a circuit protected by fuses, use only time delay fuses. Time delay fuses should be marked "D" in Canada and "T" in the US.

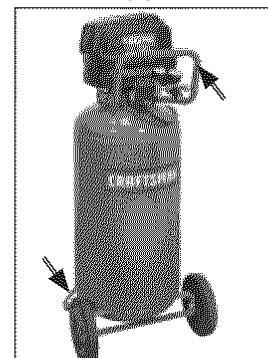
If any of the above conditions cannot be met, or if operation of the compressor repeatedly causes interruption of the power, it may be necessary to operate it from a 20 amp circuit. It is not necessary to change the cord set.

TRANSPORTING

When transporting the compressor in a vehicle, trailer, etc., make sure the tank is drained and the unit is secured with straps to prevent tipping. Use care when driving to prevent tipping the unit over in the vehicle. Damage can occur to the compressor or surrounding items if the compressor is tipped.

Lifting

Always use two people when lifting and lift from the recommended lift points. **DO NOT** lift by wheels or shroud.



Moving

CAUTION: The wheels and handle do not provide adequate clearance, stability, or support for pulling the unit up and down stairs or steps. The unit must be lifted or pushed up a ramp.

1. Grasp handle of compressor and tilt compressor back to rest on wheels.

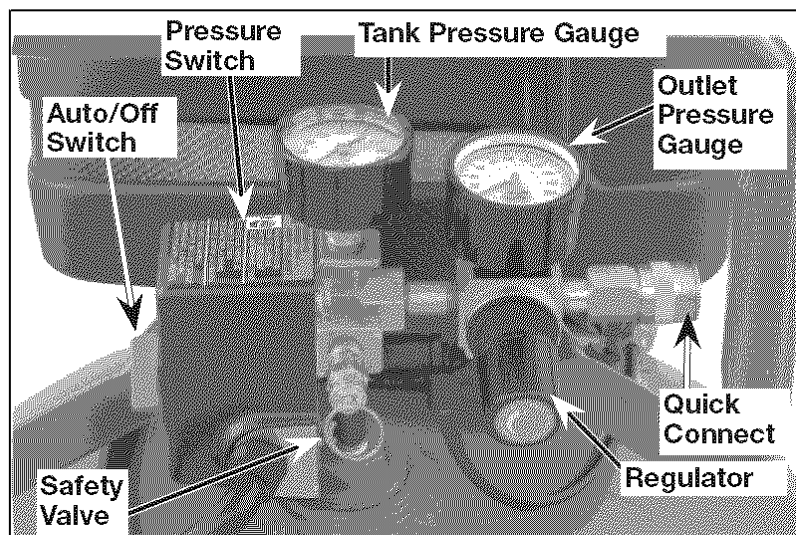
WARNING: Risk of Unsafe Operation. Ensure proper footing and use caution when rolling compressor so that unit does not tip or cause loss of balance.

2. When location is reached slowly lower compressor to ground. **Always store compressor in a vertical position resting on the rubber bumpers and wheels.**

OPERATION

KNOW YOUR AIR COMPRESSOR

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR UNIT. Compare the illustrations with your unit to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.



Description of Operation

Become familiar with these controls before operating the unit.

Auto (I)/Off (O) Switch: Turn this switch "Auto (I)" to provide automatic power to the pressure switch and "Off (O)" to remove power at the end of each use.

Pressure Switch: The pressure switch automatically starts the motor when the air tank pressure drops below the factory set "cut-in" pressure. It stops the motor when the air tank pressure reaches the factory set "cut-out" pressure.

Safety Valve: If the pressure switch does not shut off the air compressor at its "cut-out" pressure setting, the

safety valve will protect against high pressure by "popping out" at its factory set pressure (slightly higher than the pressure switch "cut-out" setting).

Outlet Pressure Gauge: The outlet pressure gauge indicates the air pressure available at the outlet side of the regulator. This pressure is controlled by the regulator and is always less than or equal to the tank pressure.

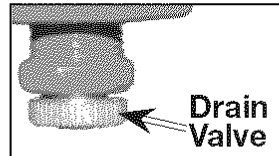
Tank Pressure Gauge: The tank pressure gauge indicates the reserve air pressure in the tank.

Regulator: Controls the air pressure shown on the outlet pressure gauge. Pull the knob out and turn clockwise to increase pressure and counterclockwise to decrease pressure. When the desired pressure is reached push knob in to lock in place.

Universal Quick-Connect Body: The universal quick-connect body accepts the three most popular styles of quick-connect plugs: Industrial, automotive (Tru-flate), and ARO. One hand push-to-connect operation makes connections simple and easy.

Drain Valve:

The drain valve is located at the base of the air tank and is used to drain condensation at the end of each use.



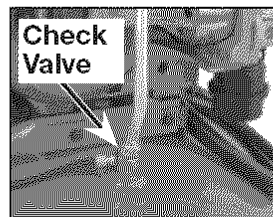
Cooling System (not shown): This compressor contains an advanced design cooling system. At the heart of this cooling system is an engineered fan. It is perfectly normal for this fan to blow air through the vent holes in large amounts. You know that the cooling system is working when air is being expelled.

Air Compressor Pump (not shown):

Compresses air into the air tank. Working air is not available until the compressor has raised the air tank pressure above that required at the air outlet.

Check Valve:

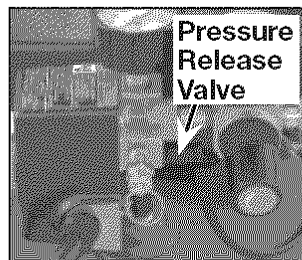
When the air compressor is operating, the check valve is "open", allowing compressed air to



enter the air tank. When the air compressor reaches "cut-out" pressure, the check valve "closes", allowing air pressure to remain inside the air tank.

Pressure Release Valve:

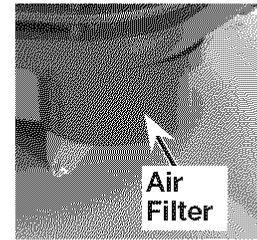
The pressure release valve located on the side of the pressure switch, is designed to automatically release compressed air from the compressor head and the outlet tube when the air compressor reaches "cut-out" pressure or is shut off. The pressure release valve allows the motor to restart freely. When the motor stops



running, air will be heard escaping from this valve for a few seconds. No air should be heard leaking when the motor is running or after the unit reaches "cut-out" pressure.

Air Intake Filter:

This filter is designed to clean air coming into the pump. This filter must always be clean and ventilation openings free from obstructions. See "Maintenance".



Motor Overload Protector:

The motor has a thermal overload protector. If the motor overheats for any reason, the overload protector will shut off the motor. The motor must be allowed to cool down before restarting. To restart:

1. Set the Auto/Off switch to "Off" and unplug unit.
2. Allow the motor to cool.
3. Plug the power cord into the correct branch circuit receptacle.
4. Set the Auto/Off lever to "Auto" position.

HOW TO USE YOUR UNIT

How to Stop

1. Set the Auto/Off switch to "Off".

NOTE: When the unit has been turned off, it is normal to hear a short hiss of air being released.

Before Starting

⚠ WARNING: Do not operate this unit until you read and understand this instruction manual for safety, operation and maintenance instructions.

Break-in Procedure

⚠ CAUTION: Risk of property damage. Serious damage may result if the following break-in instructions are not closely followed.

This procedure is required **before** the air compressor is put into service and when the check valve or a complete compressor pump has been replaced.

1. Make sure the Auto/Off switch is in the "Off" position.

NOTE: Push coupler back until it clicks to prevent air from escaping through the quick connect.

2. Plug the power cord into the correct branch circuit receptacle. (Refer to Voltage and Circuit Protection paragraph in the Installation section of this manual.)
3. Open the drain valve (counter-clockwise) fully to permit air to escape and prevent air pressure build up in the air tank during the break-in period.

⚠ WARNING: Risk from Flying Objects. Always wear certified safety equipment: ANSI Z87.1 eye protection (CAN/CSA Z94.3) with side shields as debris can be kicked up into face.

4. Move the Auto/Off switch to "Auto" position. The compressor will start.
5. Run the compressor for 15 minutes. Make sure the drain valve is open and there is minimal air pressure build-up in tank.
6. After 15 minutes, close the drain valve by turning clockwise. The air receiver will fill to "cut-out" pressure and the motor will stop.

The compressor is now ready for use.

Before Each Start-Up

1. Place Auto/Off switch to "Off".
2. Pull regulator knob out, turn counter-clockwise until it stops. Push knob in to lock in place.
3. Attach hose and accessories.
NOTE: The hose or accessory will require a quick connect plug if the air outlet is equipped with a quick connect.

⚠ WARNING Risk of unsafe operation. Firmly grasp air hose in hand when installing or disconnecting to prevent hose whip.

⚠ WARNING Risk of unsafe operation. Do not use damaged or worn accessories.

⚠ WARNING: Too much air pressure causes a hazardous risk of bursting. Check the manufacturer's maximum pressure rating for air tools and accessories. The regulator outlet pressure must never exceed the maximum pressure rating.

⚠ CAUTION: Risk of unsafe operation.

Compressed air from the unit may contain water condensation and oil mist. Do not spray unfiltered air at an item that could be damaged by moisture. Some air tools and accessories may require filtered air. Read the instructions for the air tools and accessories.

How to Start

1. Turn the Auto/Off switch to "On/Auto" and allow tank pressure to build. Motor will stop when tank pressure reaches "cut-out" pressure.
2. Pull the regulator knob out and turn clockwise to increase pressure. When the desired pressure is reached push knob in to lock in place. The compressor is ready for use.

⚠ DANGER: Risk of fire or explosion. Always operate the air compressor in well-ventilated areas free of gasoline or other combustible vapors. If the compressor is being used to operate a sprayer DO NOT place near the spray area.

⚠ WARNING If any unusual noise or vibration is noticed, stop the compressor immediately and have it checked by a trained service technician.

The compressor is ready for use.

MAINTENANCE

CUSTOMER RESPONSIBILITIES

Procedure	Daily	Daily or after each use	Weekly
Check safety valve	X		
Inspect air filter			X ¹
Drain air tank		X	
Check for unusual noise/vibration	X		
Check for air leaks*	X		
Clean compressor exterior		X	
<p>* To check for air leaks apply a solution of soapy water around joints. While compressor is pumping to pressure and after pressure cuts out, look for air bubbles to form.</p> <p>1 - more frequent in dusty or humid conditions</p>			

⚠ WARNING: Risk of Unsafe Operation. Unit cycles automatically when power is on. When servicing, you may be exposed to voltage sources, compressed air, or moving parts. Before servicing unit unplug or disconnect electrical supply to the air compressor, bleed tank of pressure, and allow the air compressor to cool.

To ensure efficient operation and longer life of the air compressor, a routine maintenance schedule should be prepared and followed. The above routine maintenance schedule is geared to an air compressor in a normal working environment operating on a daily basis. If necessary, the schedule should be modified to suit the conditions under which your air compressor is used. The modifications will depend upon the hours of operation and the working environment. Compressors in an extremely dirty and/or hostile environment will require a greater frequency of all maintenance checks.

NOTE: See "Operation" section for the location of controls.

TO CHECK SAFETY VALVE

⚠ WARNING: Risk of Bursting. If the safety valve does not work properly, over-pressurization may occur, causing air tank rupture or an explosion.

⚠ WARNING: Risk from Flying Objects. Always wear certified safety equipment: ANSI Z87.1 eye protection (CAN/CSA Z94.3) with side shields.

Before starting compressor, pull the ring on the safety valve to make sure that the safety valve operates freely. If the valve is stuck or does not operate smoothly, it must be replaced with the same type of valve.

TO DRAIN TANK

⚠ WARNING: Risk of Unsafe Operation. Risk from noise. Air tanks contain high pressure air. Keep face and other body parts away from outlet of drain. Use ANSI Z87.1 eye protection (CAN/CSA Z94.3) when draining as debris can be kicked up into face. Use ear protection [ANSI S12.6 (S3.19) hearing protection] as air flow noise is loud when draining.

NOTE: All compressed air systems generate condensate that accumulates in any drain point (e.g., tanks, filter, after-coolers, dryers). This condensate contains lubricating oil and/or substances which may be regulated and must be disposed of in accordance with local, state, and federal laws and regulations.

1. Set the Auto/Off switch to "Off" and unplug unit.
2. Pull the regulator knob out and turn counterclockwise to set the outlet pressure to zero.
3. Remove the air tool or accessory.
4. Pull ring on safety valve allowing air to bleed from the tank until tank pressure is approximately 20 psi. Release safety valve ring.
5. Drain water from air tank by opening drain valve (counter-clockwise) on bottom of tank.

▲ WARNING: Risk of bursting. Water will condense in the air tank. If not drained, water will corrode and weaken the air tank causing a risk of air tank rupture.

CAUTION: Risk of property damage. Drain water from air tank may contain oil and rust which can cause stains.

6. After the water has been drained, close the drain valve (clockwise). The air compressor can now be stored.

NOTE: If drain valve is plugged, release all air pressure. The valve can then be removed, cleaned, the reinstalled.

AIR FILTER

▲ WARNING: Hot surfaces. Risk of burn. Outlet tube, pump head, and surrounding parts are very hot, do not touch. Allow compressor to cool prior to servicing.

1. Place Auto/Off switch to "Off".
2. Allow unit to cool.
3. Remove filter cover from base.
4. Remove element from filter base.
5. Place new element back in filter base. Purchase replacement parts from your local dealer or authorized service center. Always use identical replacement parts.
6. Snap filter cover to filter base.

CAUTION: Risk of property damage. Do not operate without air inlet filter

SERVICE AND ADJUSTMENTS

▲WARNING: Risk of unsafe operation. Unit cycles automatically when power is on. When doing Maintenance, you may be exposed to voltage sources, compressed air or moving parts. Personal injuries can occur.

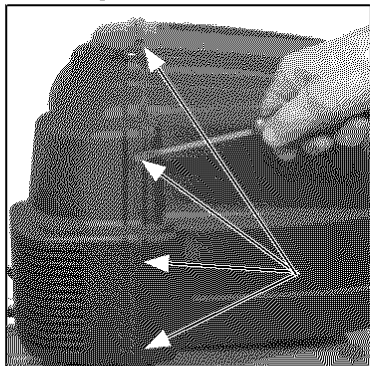
Before servicing:

- Unplug or disconnect electrical supply to the air compressor.
- Bleed tank of pressure.
- Allow the air compressor to cool.

ALL MAINTENANCE AND REPAIR OPERATIONS NOT LISTED MUST BE PERFORMED BY TRAINED SERVICE TECHNICIAN.

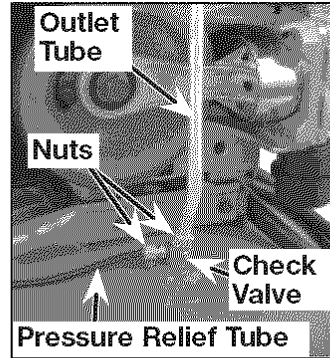
TO REPLACE CHECK VALVE

1. Release all air pressure from air tank. See "To Drain Tank" in the Maintenance section.
2. Unplug outfit.
3. Remove the shroud on the outlet tube side. **NOTE:** Remove screw with T-20 Torx screwdriver and loosen all the tabs on the shroud with a flat screwdriver before removing.

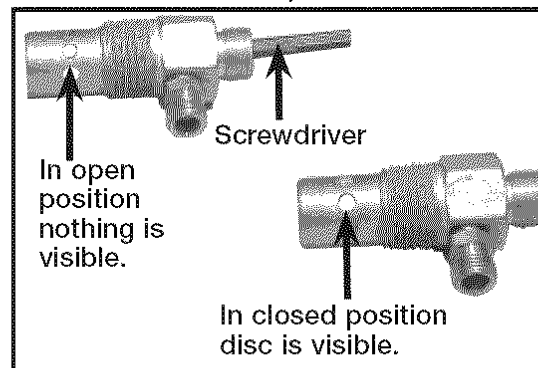


4. Using an adjustable wrench, loosen outlet tube nut at air tank and pump head. Carefully move outlet tube away from check valve.

5. Using an adjustable wrench loosen pressure relief tube nut at air tank.



- Carefully move pressure relief tube away from check valve
6. Unscrew the check valve (turn counterclockwise) using a 7/8" open end wrench. **Note** the orientation for reassembly.
 7. Using a screwdriver, carefully push the valve disc up and down.

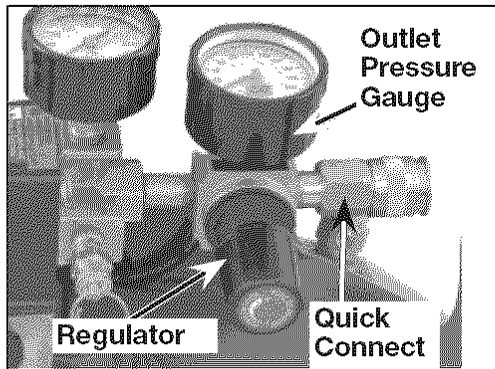


NOTE: The valve disc should move freely up and down on a spring which holds the valve disc in the closed position; if not the check valve needs to be replaced.

8. Install the new check valve (turn clockwise).
9. Replace the pressure release tube. Tighten nut.
10. Replace the outlet tube and tighten nuts.
11. Replace the shroud.
12. Perform the Break-in Procedure. See "Break-in Procedure" in the Operation section.

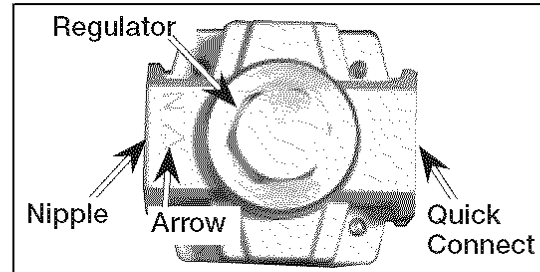
TO REPLACE REGULATOR

1. Release all air pressure from air tank. See "To Drain Tank" in the Maintenance section.
2. Unplug compressor.
3. Remove shrouds.
4. Remove the outlet pressure gauge and quick connect from the regulator.



5. Remove the regulator.
6. Reapply pipe sealant to outlet pressure gauge and quick connect.

7. Assemble quick connect to new regulator and tighten.



8. Apply pipe sealant tape to the nipple.
9. Assemble the regulator. **NOTE:** Arrow indicates flow of air. Make sure it is pointing in the direction of air flow.
10. Use the hex on quick connect to tightening regulator. Orient as shown.
11. Assemble outlet pressure gauge. Orient outlet pressure gauge to read correctly.
12. Replace shrouds.

STORAGE

Before you store the air compressor, make sure you do the following:

1. Review the "Maintenance" section on the preceding pages and perform scheduled maintenance as necessary.
2. Set the Auto/Off lever to "Off".
3. Turn the regulator counterclockwise and set the outlet pressure to zero.
4. Remove the air tool or accessory.
5. Pull ring on safety valve allowing air to bleed from the tank until tank pressure is approximately 20 PSI. Release safety valve ring.
6. Drain water from air tank by opening drain valve on bottom of tank.

▲ WARNING: Water will condense in the air tank. If not drained, water will corrode and weaken the air tank causing a risk of air tank rupture.

7. After the water has been drained, close the drain or drain valve.
NOTE: If drain valve is plugged, release all air pressure. The valve can then be removed, cleaned, then reinstalled.
 8. To protect the electrical cord from damage wind electrical cord loosely around the compressor handle.
- Store the air compressor in a clean and dry location.

TROUBLESHOOTING

⚠ WARNING: Risk of Unsafe Operation. Unit cycles automatically when power is on. When servicing, you may be exposed to voltage sources, compressed air, or moving parts. Before servicing unit unplug or disconnect electrical supply to the air compressor, bleed tank of pressure, and allow the air compressor to cool.

PROBLEM	CAUSE	CORRECTION
Excessive tank pressure - safety valve pops off.	Pressure switch does not shut off motor when compressor reaches "cut-out" pressure.	Move Auto/Off lever to the "Off" position, if the outfit does not shut off contact a Trained Service Technician.
	Pressure switch "cut-out" too high.	Contact a Trained Service Technician.
Air leaks at fittings.	Tube fittings are not tight enough.	Tighten fittings where air can be heard escaping. Check fittings with soapy water solution. Do Not Overtighten.
Air leaks at or inside check valve.	Check valve seat damaged.	A defective check valve results in a constant air leak at the pressure release valve when there is pressure in the tank and the compressor is shut off. Replace check valve. Refer to the "To Replace Check Valve" in the Service and Adjustment section.
Air leaks at pressure switch release valve.	Defective pressure switch release valve.	Contact a Trained Service Technician.
Air leaks in air tank or at air tank welds.	Defective air tank.	Air tank must be replaced. Do not repair the leak. ⚠ WARNING: Risk of Bursting Do not drill into, weld or otherwise modify air tank or it will weaken. The tank can rupture or explode.
Air leaks between head and valve plate.	Leaking seal.	Contact a Trained Service Technician.

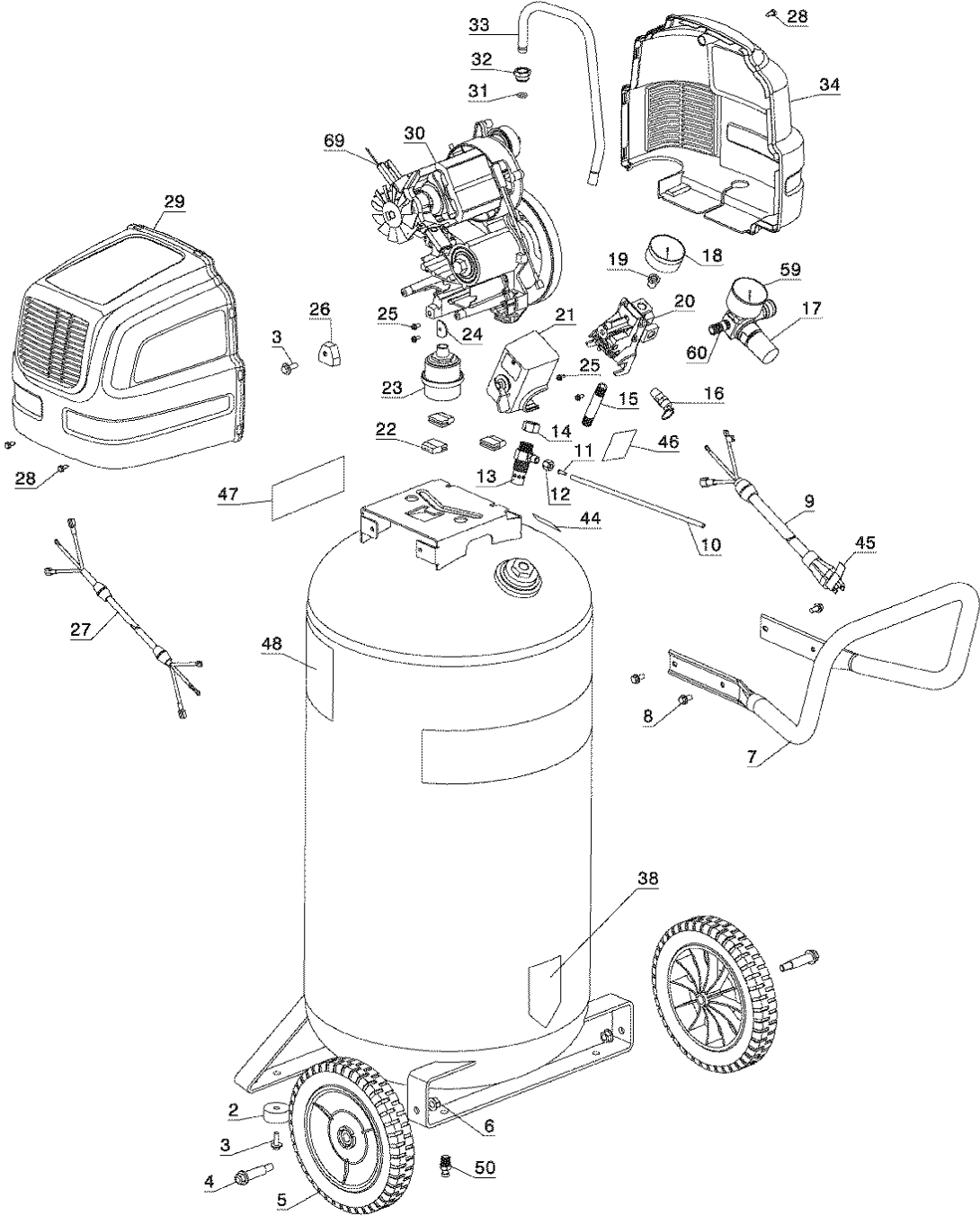
PROBLEM	CAUSE	CORRECTION
Pressure reading on the regulated pressure gauge drops when an accessory is used.	It is normal for "some" pressure drop to occur.	If there is an excessive amount of pressure drop when the accessory is used, adjust the regulator following the instructions in the "Description of Operation" paragraph in the Operation section. NOTE: Adjust the regulated pressure under flow conditions (while accessory is being used).
Knocking Noise.	Possible defect in safety valve.	Operate safety valve manually by pulling on ring. If valve still leaks, it should be replaced.
	Defective check valve.	Replace check valve.
Compressor is not supplying enough air to operate accessories.	Prolonged excessive use of air.	Decrease amount of air usage.
	Compressor is not large enough for air requirement.	Check the accessory air requirement. If it is higher than the SCFM or pressure supplied by your air compressor, you need a larger compressor.
	Hole in hose.	Check and replace if required.
	Check valve restricted.	Replace check valve.
	Air leaks.	Tighten fittings.
	Restricted air intake filter.	Clean or replace air intake filter. Do not operate the air compressor with the filter removed. Refer to the "Air Filter" paragraph in the Maintenance section.
Regulator knob has continuous air leak.	Damaged regulator.	Replace.
Regulator will not shut off air outlet.	Damaged regulator.	Replace.

PROBLEM	CAUSE	CORRECTION
Motor will not run.	Motor overload protection switch has tripped.	Refer to "Motor Overload Protection" under Operation. If motor overload protection trips frequently, contact a Trained Service Technician.
	Tank pressure exceeds pressure switch "cut-in" pressure.	Motor will start automatically when tank pressure drops below "cut-in" pressure of pressure switch.
	Extension cord is wrong length or gauge.	Check for proper gauge wire and cord length.
	Check valve stuck open.	Replace check valve.
	Loose electrical connections.	Have checked by a Trained Service Technician.
	Possible defective motor.	Have checked by a Trained Service Technician.
	Paint spray on internal motor parts.	Have checked by a Trained Service Technician. Do not operate the compressor in the paint spray area. See flammable vapor warning.
	Pressure release valve on pressure switch has not unloaded head pressure.	Bleed the line by pushing the lever on the pressure switch to the "Off" position; if the valve does not open, replace switch.
	Fuse blown, circuit breaker tripped.	<ol style="list-style-type: none"> 1. Check fuse box for blown fuse and replace as necessary. Reset circuit breaker. Do not use a fuse or circuit breaker with higher rating than that specified for your particular branch circuit. 2. Check for proper fuse. You should use a time delay fuse. 3. Check for low voltage conditions and/or proper extension cord. 4. Disconnect the other electrical appliances from circuit or operate the compressor on its own branch circuit.
	Compressor is tripping the Ground Fault Current Interrupt (GFCI) switch.	Have checked by a Trained Service Technician.
Faulty pressure switch	Have checked by a Trained Service Technician.	

AIR COMPRESSOR DIAGRAM

Air Compressor Model Number 919.167620

PARTS SHOWN FOR REFERENCE ONLY



1000002923

Air Compressor - MODEL NUMBER 919.16762

06/07TS

1000002923

22- ENG

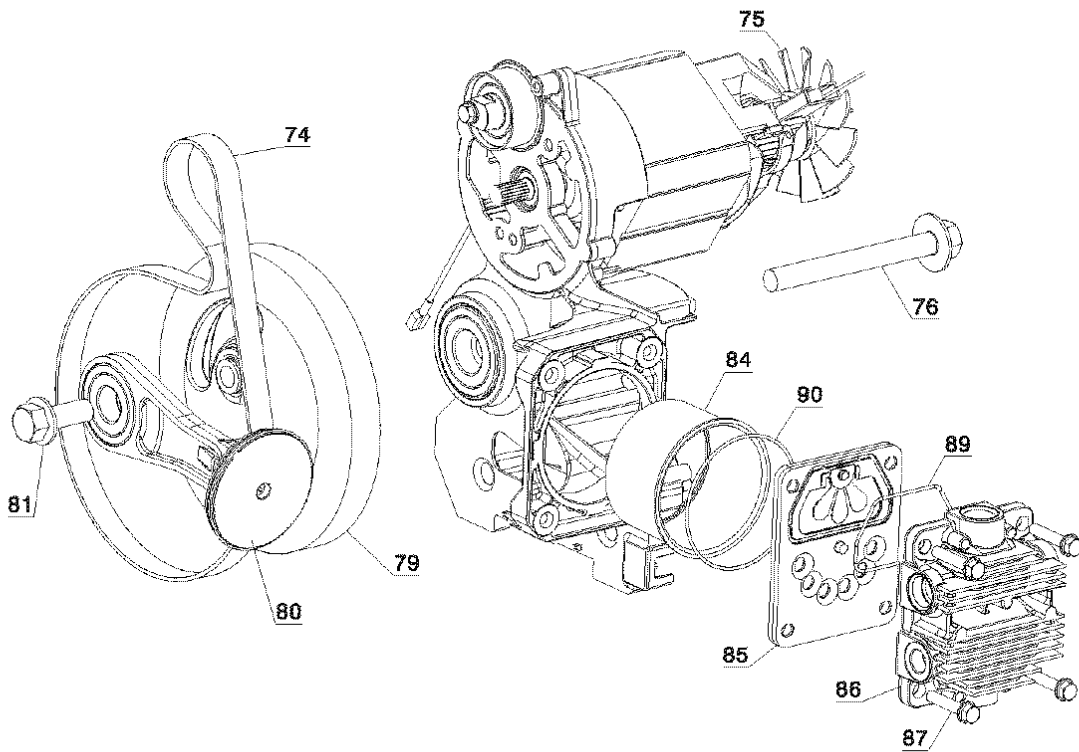
PARTS LIST

Air Compressor Model Number 919.167620

ITEM NO.	PART NO.	DESCRIPTION	QTY
2	SST-5314-1	Rubber Bumper	2
3	91895680	Screw	3
4	CAC-60	Bolt	2
5	D23138	Wheel	2
6	SSF-8111-ZN	Nut	2
7	1000001808	Handle Assembly	1
8	D21172	Screw	4
9	D26615	Power Cord (14ga)	1
10	A19122	Tube	1
11	5130039-00	Sleeve	1
12	SSP-7811	Assembly Nut Sleeve 1/4	1
13	A19715	Check Valve	1
14	SSP-7812	Nut Sleeve Assembly 1/2	1
15	1000001958	Nipple	1
16	A17987	Safety Valve	1
17	1000000274	Manifold Assy.	1
18	Z-D21929	Gauge	1
19	SSP-6021	Bushing Reducer	1
20	1000002013	Pressure Switch	1
21	A17326	Cover	1
22	AC-0716	Isolator	3
23	D24263	Inlet Filter (Incl. Filter)	1
23	D24322	Filter Replacement	1
24	A03857	Washer	1
25	SUDL-9-1	Screw	4
26	ACG-18	Saddle Mount Cup	1
27	A02425	Motor Cord	1
28	ACG-408	Screw	3
29	A13364	Rear Shroud	1
30	1000000249	Pump Assembly.	1
31	AC-0781	O-ring	1
32	AC-0780	Nut	1
33	1000001588	Outlet Tube	1
34	A13363	Front Shroud	1
38	LA-3027	Drain Tank Label	1
44	LA-3108	Hot Surface Label	1
45	LA-2876	Power Cord Label	1
46	1000003082	Warning Label	1
47	1000003010	Name Plate	1
48	LA-3021	Warning Label	1
50	A06891	Drain Valve	1
59	Z-D27212	Gauge	1
60	SS-2071	Nipple	1
69	A10157	Brush	2

PUMP DIAGRAM

Air Compressor Model Number 919.167620



PARTS LIST

Air Compressor Model Number 919.167620

ITEM PART			
NO.	NO.	DESCRIPTION	QTY
74	A12210	Belt	1
75	A11031	Fan	1
76	A08547	Screw	1
79	A10811	Flywheel	1
80	A17572	Connection Rod & Piston Assembly	1
81	A08454	Screw	1
84	A12204	Cylinder Sleeve	1
85	A09819	Valve Plate Assembly	1
86	A12477	Head	1
87	AC-0798	Screw	4
89	ACG-45	O-ring	1
90	A03856	O-ring	1

NOT SHOWN

1000002923 Owner's Manual