

**Sears**  
**OWNERS**  
**MANUAL**

MODEL NOS.  
919.156581  
919.156781  
919.156881

**IMPORTANT:**  
Read the Safety  
Guidelines Before  
Operating



# CRAFTSMAN SPRAYER/COMPRESSOR

## DESCRIPTION ASSEMBLY OPERATION MAINTENANCE REPAIR PARTS

Record in space provided below the serial number of this Sprayer/Compressor. The serial number is located on the metal data plate next to the belt guard on the back side of the air tank.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Retain these numbers for future reference.

Sears, Roebuck and Co., Chicago, IL 60684 U.S.A.



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## **FULL ONE YEAR WARRANTY CRAFTSMAN SPRAYER/COMPRESSOR**

If this paint sprayer/air compressor fails due to a defect in material or workmanship within one year from the date of purchase, return it to the nearest Sears store throughout the United States and Sears will repair it, free of charge.

If this paint sprayer/air compressor is used for commercial or rental purposes, the warranty will apply for thirty days from date of purchase.

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

**Sears, Roebuck and Co., Sears Tower, BSC 41-3, Chicago, IL 60684**

## **SAFETY GUIDELINES**

This manual contains information that is important for you to know and understand.

This information relates to YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS.

To help you recognize this information, we use the following symbols. Please read the manual and pay attention to those sections.

### **WARNING**

**IMPORTANT INFORMATION FOR PREVENTING INJURY OR LOSS OF LIFE.**

### **CAUTION**

**Information for preventing damage to equipment.**

### **Note**

Information that you should pay special attention to.



**WARNING****PLEASE READ THE FOLLOWING CHART.**

<b>AREA</b>	<b>HAZARD</b>	<b>SAFEGUARDS</b>
Indicates where a hazard can occur.	Indicates what can happen if precautions are not observed.	Indicates how to avoid the hazard and what special protective clothing, equipment, and precautions will be used.
Moving Parts	<p>Loose items, or parts of the body may get caught and cause serious injury or damage.</p> <p>Unit cycles automatically when power is ON. During service or repair activities, this automatic cycling may cause a hazard.</p>	<p>Never operate the compressor with the belt guard removed.</p> <p>Keep small children, your hands, and all items away from the flywheel and belt.</p> <p>Always unplug the unit before attempting repair or maintenance of the compressor. Also, make sure the pressure is released from the compressor and air tanks.</p>
Hot Parts	Air compressors get hot when running. Serious burns may result if touched.	Never touch the compressor, tubing, or motor during or immediately after operation of the compressor.
Air Tank	<p>Air pressure or mechanical loads that are higher than design loads may cause the tank to rupture.</p> <p>Changes to the air tank structure will cause the tank to weaken. Tank rupture or explosion may occur.</p>	<p>Do not adjust, remove, or defeat the safety valve. Check the valve from time to time by pulling the ring on the valve. If the valve is stuck or does not operate smoothly, it must be replaced.</p> <p>Do not adjust, remove, or defeat the pressure switch.</p> <p>Never use a motor with higher horsepower rating than the one supplied.</p> <p>The compressor was not designed to be powered by a gasoline engine. Do not substitute a gas engine.</p> <p>Never drill into, weld, or change the tank in any way.</p>
Electrical Shock	This unit is powered by 120 or 240 volts.	<p>Always unplug unit prior to doing any maintenance or repair.</p> <p>Never use the unit outdoors when it is raining.</p> <p>Always plug the cord into an electrical outlet with the specified voltage and adequate fuse protection.</p>



AREA	HAZARD	SAFEGUARDS
Toxic Vapors	<p>Compressed air from this unit may contain poisonous carbon monoxide.</p> <p>Certain sprayed materials such as paints, weed killer, sand, insecticides, etc., may be harmful if used in a closed area or if inhaled.</p>	<p>Never directly inhale the compressed air produced by this unit.</p> <p>Be certain to read labels when spraying paints or poisons.</p> <p>Use a mask or respirator whenever there is a chance that you might inhale anything that you are spraying. Read all instructions so that you know that your mask will protect you from what you are spraying.</p>
Compressed Air	Compressed air may propel dirt, metal shavings, etc. and result in possible injury.	<p>Never point any nozzle or sprayer toward a person or any part of the body.</p> <p>Always wear safety goggles or glasses when spraying.</p>



#### SPECIFICATION CHART

Model No.	919.156581	919.156781	919.156881
H.P.	1	2	3
Displacement CFM	9.5	11.7	13.6
Voltage-Single Phase	*110-120	220-240	220-240
Fuse requirements	20 amp slow-blow	15 amp slow-blow	15 amp slow-blow
Amperage at Max. Pressure	19.5	12.7	14.2
Air Tank Capacity	12 gal.	20 gal.	30 gal.
Approximate Cut-in Pressure	80 psig —	100 psig	100 psig
Approximate Cut-out Pressure	100 psig —	125 psig	125 psig
SCFM at 125 psig	—	6.6	7.3
100 psig	5.7	7.4	8.2
90 psig	6.1	7.7	8.5
40 psig	7.5	9.3	10.2

\*Model 919.156581, 1 HP motor is dual voltage, 110-120 and 220-240 volt. It is wired for 110-120 volt but can be converted to 220-240 volt operation. Instructions for connecting the motor for operation at 220-240 volt can be found printed on the inside of the motor cover or on the nameplate of the motor.

#### CAUTION

When converting this model to 220-240 volt operation, the attached three-prong 110-120 volt plug must be replaced with a three-prong 220-240 volt plug (purchase locally) or order line cord Part No. SUDL-404-1.



# FOR YOU TO SET UP, OPERATE AND MAINTAIN YOUR NEW CRAFTSMAN SPRAYER/COMPRESSOR

## GENERAL INFORMATION

You have purchased a complete paint sprayer/compressor consisting of a spray gun with cup assembly, a 2 cylinder single stage air compressor with air tank, an air hose assembly, wheels, a foot extension bracket and handle. You will also find an air chuck and a helpful "Power Painting With Sprayers" booklet. This sprayer/compressor can be either portable or permanently mounted in one place.

These units can be used for operating caulking guns, grease guns, air brushes, sandblaster, air tools, etc., or inflating tires and plastic toys, spraying weed killer, insecticides, etc.

## GENERAL DESCRIPTION OF OPERATION

To compress air, the pistons move up and down in the cylinder. On the downstroke, air is drawn in through the air intake valve. The exhaust valve remains closed. On the upstroke of the piston, air is compressed. The intake valves close and compressed air is forced out through the exhaust valve, through the check valve and 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. Since the air tank pressure is usually greater than what is needed, the tank air is fed to the air outlet through a regulator. The air intake opening

at the end of the console must be kept clear of obstructions which could reduce air delivery of the compressor.

## ASSEMBLY INSTRUCTIONS

### Tools Needed For Assembly

Tools needed are: (1) a 9/16" socket or open end wrench for attaching the wheels; and (2) a 7/16" socket or open end wrench for attaching the foot extension bracket.

### Attaching Wheels, Handle, Etc.

#### WARNING

THE WHEELS AND HANDLE DO NOT PROVIDE ADEQUATE CLEARANCE, STABILITY OR SUPPORT FOR PULLING THE UNIT UP OR DOWN STAIRS AND STEPS. THE UNIT MUST BE LIFTED OR PUSHED UP A RAMP.

See diagram on page 10 for attaching wheels (35), foot extension bracket (42) and handle (43). The nuts and bolts can be found in a plastic bag which is enclosed with the Owner's manuals, air hose, etc. Refer to the illustration, page 10, Key No's. 17, 36, 37, 39, 40 and 41.

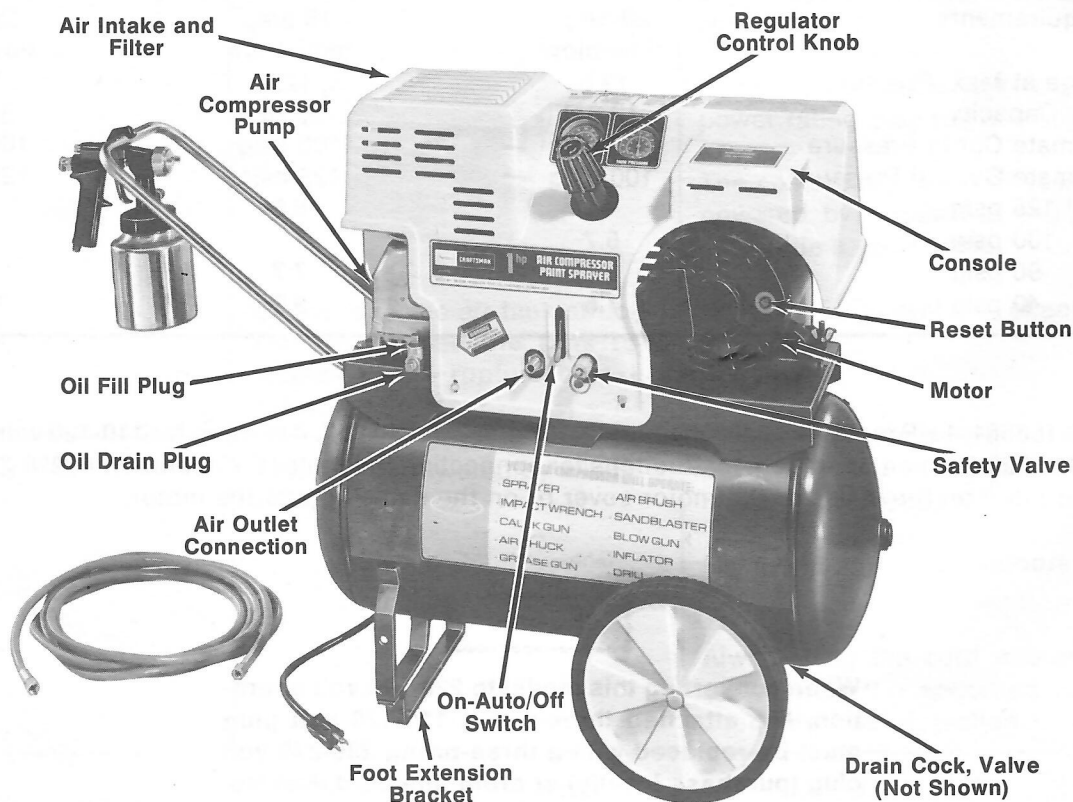


Figure 1



### CAUTION

It may be necessary to brace or support one end of the outfit when attaching the wheels and the foot extension bracket because the outfit will have a tendency to tip over before wheels are attached.

1. Insert the handle into pockets under the tank base. Put one set screw (17) through hole in one side of tank base and tighten down on handle.
2. Remove the protective paper strip from the adhesive backed rubber foot strip (41). Attach the rubber foot strip to the bottom of the foot extension bracket (42). Press firmly into place.
3. Attach foot extension bracket (42) to the air tank bracket. Use one cap screw (40) and one hex nut (39) at each end. Tighten.
4. Attach one wheel (35) to each side of the outfit. Use one shoulder bolt (36) and one hex nut with lock washer (37) for each wheel. Tighten securely.

### Start-Up Procedures

### CAUTION

All units are shipped without oil. Serious damage may result if the following break-in instructions are not closely followed. This operation has to be completed only once when first putting the unit in service.

Place unit on a level surface. Remove oil fill plug (46) and slowly add 20 weight detergent or nondetergent type oil until it is even with the top of the oil fill hole. Other oil such as 10W30 premium oil is acceptable. (It takes 16 fluid ounces to fill the crankcase.) Replace oil fill plug (46). Plug the compressor into the correct power source. Start the compressor by switching the ON-AUTO/OFF switch (28) to the ON-AUTO position. Turn the control knob assembly (15) clockwise fully to permit air to escape and prevent air pressure buildup in the air tank. RUN THE COMPRESSOR 30 MINUTES IN THIS MANNER TO LUBRICATE PISTONS AND BEARINGS. Shut off air with regulator adjusting knob (turn counterclockwise) and the unit is ready for use. Connect the air hose to the air outlet connection (29) located on the front of the console. Refer to Figure 1.

### OPERATION

#### Control Console

The control console (23) is located on the front of the unit. The air pressure coming from the air tank is controlled by the control knob assembly (15). Turn

the control knob clockwise to increase pressure and counterclockwise to decrease pressure. Also on the console is the ON-AUTO/OFF switch, air outlet, safety valve and two pressure gauges. One gauge shows the air tank pressure and the other the outlet regulated pressure. Refer to figure 2.

#### Pressure Switch

### WARNING

**PRESSURE LOADS BEYOND DESIGN LIMITS MAY CAUSE TANK RUPTURE OR EXPLOSION. PRESSURE SWITCH OPERATION IS RELATED TO MOTOR HP, TANK RATING AND SAFETY VALVE SETTING. DO NOT ATTEMPT TO ADJUST, REMOVE, OR DEFEAT THE PRESSURE SWITCH, OR CHANGE AND MODIFY ANY PRESSURE CONTROL RELATED DEVICE.**

The pressure switch (54) starts the motor when the air tank pressure drops below the factory set cut-in pressure and stops the motor when the air tank pressure reaches the factory set cut-off pressure. (See specification chart, page 5.)

#### Safety Valve

### WARNING

**OVER-PRESSURIZATION OF THE AIR TANK MAY CAUSE TANK RUPTURE OR EXPLOSION. THE OUTFIT IS PROTECTED FROM THE OVER-PRESSURIZATION BY A SAFETY VALVE. DO NOT ELIMINATE, MAKE ADJUSTMENTS OR SUBSTITUTIONS TO THIS DEVICE.**

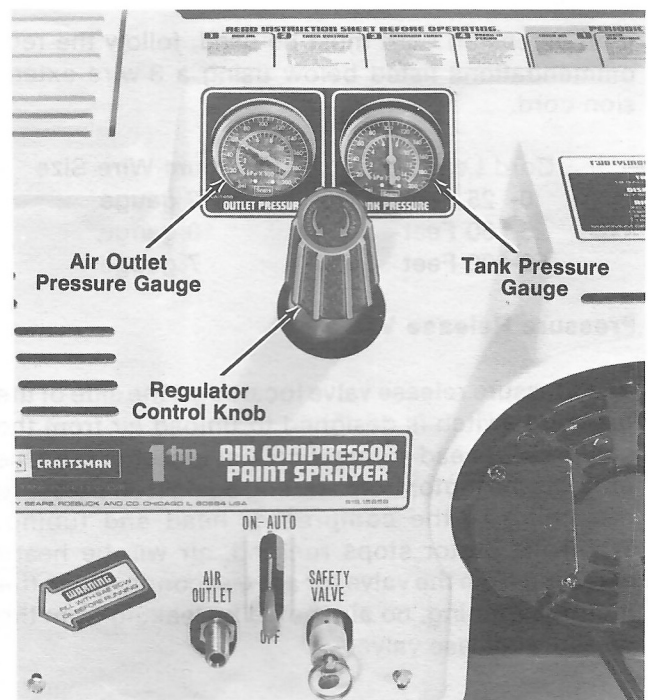


Figure 2



The pressure switch (54) is pre-set to shut off the motor automatically at the maximum operating pressure. If the pressure switch does not shut off the outfit at its cut-off pressure setting, the safety valve will protect against high pressure by popping at its pre-set pressure.

### Motor

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 before restarting. Turn the ON-AUTO/OFF switch to the OFF position. To restart, turn the ON-AUTO/OFF switch to the ON position. Depress the reset button located on the end of the motor. Refer to figure 1.

### Note

If the overload protector shuts the motor off frequently, check for a possible voltage problem. Low voltage can also be suspected when:

1. The motor does not get up to full power or speed.
2. Fuses blow out when starting motor.
3. Lights dim and remain dim when motor is started.

### Note

Avoid using long extension cords. They can cause a power loss to the motor. Add extra air hose instead of extension cords.

If an extension cord must be used, follow the recommendations listed below using a 3-wire extension cord.

Cord Length	Minimum Wire Size
0- 25 Feet	12 gauge
25- 50 Feet	10 gauge
50-100 Feet	7 gauge

### Pressure Release Valve

The pressure release valve located on the side of the pressure switch is designed to unload air from the compressor head automatically at unit shut off. This protects the motor from starting against air pressure remaining in the compressor head and tubing. When the motor stops running, air will be heard escaping from the valve for a few seconds. When the motor is running, no air should be leaking from the pressure release valve.

## MAINTENANCE

### Replacing Air Intake Filter

A dirty air intake filter will not allow the compressor to operate at full capacity. When the intake filter becomes dirty, oily, or covered with paint overspray, replace it. Do not operate the compressor with the air intake filter removed. To replace the filter, use needle nosed pliers and pull or pry the old filter out. Replace with new. Refer to figure 1.

### Checking Safety Valve

#### WARNING

**OVER-PRESSURIZATION CAUSING TANK RUPTURE OR EXPLOSION MAY OCCUR IF THE SAFETY VALVE DOES NOT WORK PROPERLY. OCCASIONALLY PULL THE RING ON THE SAFETY VALVE TO MAKE SURE THAT THE VALVE OPERATES FREELY. IF THE VALVE IS STUCK OR DOES NOT OPERATE SMOOTHLY, IT MUST BE REPLACED.**

### Checking and Changing Oil

#### CAUTION

**Overfilling with oil will cause premature compressor failure. Do not overfill.**

Check oil level in the crankcase before each use. The oil level should be even with the top of the fill hole and must not be allowed to be lower than 3/8" from the top at any time. It is recommended that the oil in the base (88) be changed after every 100 hours of operation. To drain the oil, remove the oil drain plug (46A) and collect the oil in a suitable container. Be sure to replace the plug securely before adding new oil. Use any 20 weight detergent or nondetergent oil (crankcase oil capacity is 16 fluid ounces). Other oil such as 10W30 premium oil is acceptable.

### Location of Craftsman Sprayer/Compressor

Locate the unit in a dry, clean, cool and well ventilated area. The compressor crankcase and head are designed with fins which allow for proper cooling. Clean or blow off fins and any other parts of the compressor that collect dust or dirt. A clean compressor runs cooler and provides longer service. Do not place rags, containers or other material on or against the console or belt guard which would obstruct ventilation openings necessary for proper



compressor operating temperature. If humidity is high, a Sears air filter and separate adapter can be attached to the air outlet on the console to remove excess moisture.

#### Draining Water From Air Tank

##### WARNING

**WATER WILL CONDENSE IN THE AIR TANK. IF NOT DRAINED, THE WATER WILL CORRODE AND WEAKEN THE TANK. DRAIN THE TANK AS INSTRUCTED BELOW.**

Water should be drained from the air tank periodically depending on where and how often the outfit has been used. If humidity is high, drain more often. To drain the water that has gathered in the air tank, open drain cock valve (38, figure 1) and allow to drain. When empty, close the valve tightly before operating the compressor.

#### Replacing Belt

##### WARNING

**SERIOUS INJURY OR DAMAGE MAY OCCUR IF PARTS OF THE BODY OR LOOSE ITEMS GET CAUGHT IN MOVING PARTS. NEVER OPERATE THE OUTFIT WITH THE BELT GUARD REMOVED. THE BELT GUARD SHOULD BE REMOVED ONLY WHEN THE POWER CORD IS DISCONNECTED.**

The motor is mounted on an adjustable motor base. By loosening the wing nut (20), the motor can be tilted in to allow for easy removal of the belt (77).

To replace belt:

1. Unplug unit from power source before repairing.
2. Remove screws (1) from the back of the belt guard. Remove belt guard (2).
3. Loosen wing nut (20) and tilt motor in.
4. Remove belt and replace with new.

##### Note

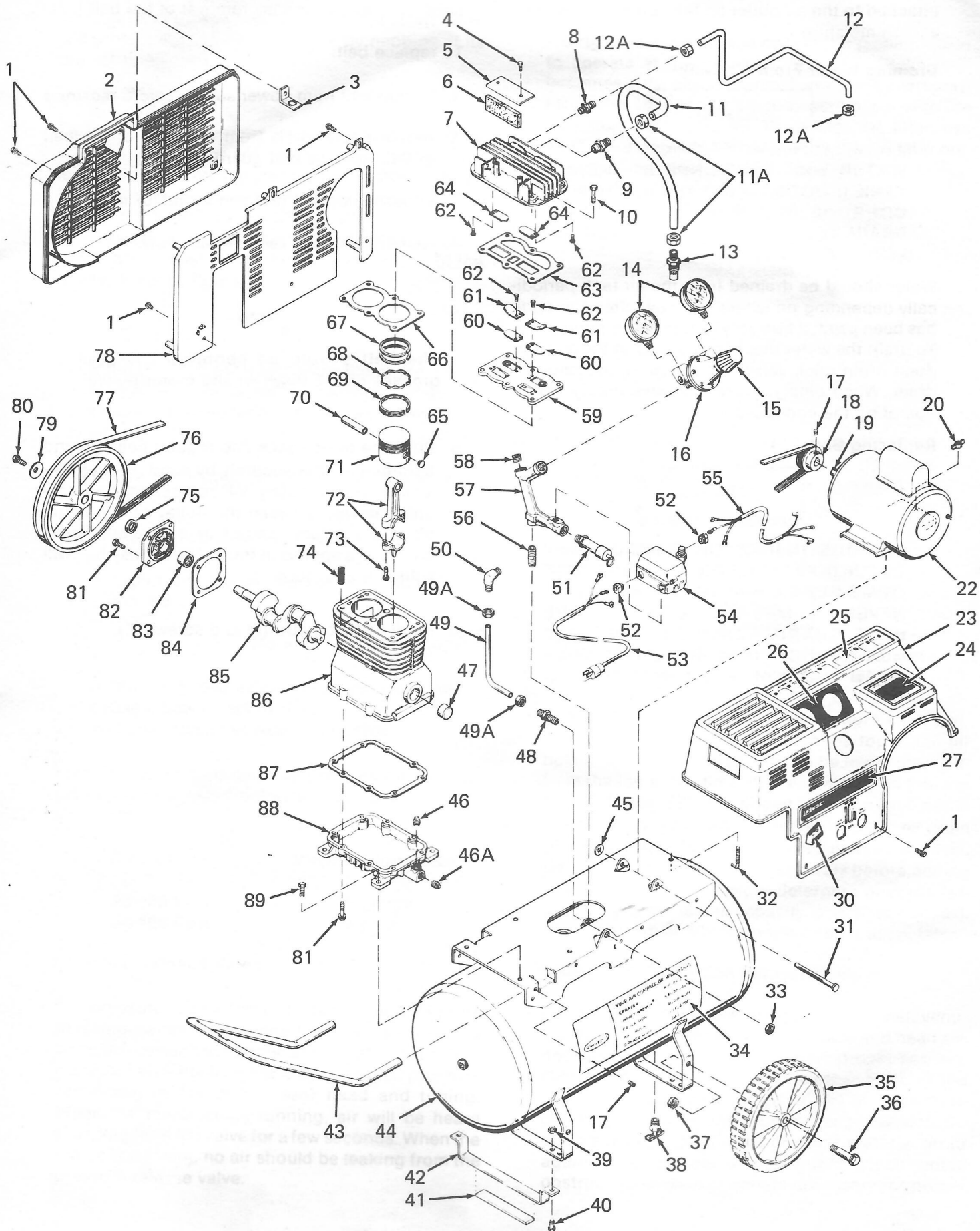
The belt should be centered over the grooves on the flywheel and motor pulley.

5. Push the motor back into regular position and tighten wing nut securely by hand. Proper tension is approximately 1/4" belt deflection measured midway between the pulley and flywheel when a 3 pound weight or equivalent finger pressure is applied at this point. A loose belt will squeal at unit start-up.
6. Replace belt guard (2) and screws (1).

Washer (2A) (used) EA  
valve (38)  
nut 1/2" (2) (used) SA  
screws 3/8" x 1/2" (1) (used)  
foot strip  
extension bracket



# CRAFTSMAN SPRAYER/COMPRESSOR







## PARTS LIST

Key No.	Part Number	Description
1	SSF-953-ZN-K25	Self tapping screw (13 used)
2	SUDL-3	Belt guard (outside half)
3	265-7	Bracket
4	SSF-935-ZN-K25	Screw 8-12 × 3/8" (2 used)
5	265-18-K25	Filter retainer
*6	30-16279	Kit of 2 intake filters (1 used)
7	265-24-1	Head
8	SS-8553	Connector body
9	SSP-9401	Connector body
10	SSF-955-ZN-K25	Screw 3/8"-16 × 1 1/2" (6 used)
11	SUDO-46	Outlet tube
11A	STD575050	1/2" Nut (2 used)
	STD575051	1/2" Ferrule (2 used)
12	SUDL-7	Pressure release tube
12A	STD575025	1/4" Nut (2 used)
	STD575026	1/4" Ferrule (2 used)
13	SUDL-405-1	Check valve
14	30-16042	Gauge (2 used)
15	HH-409-1	Control knob assembly
16	HH-410	Regulator body assembly
17	SS-391	Set screw (2 used)
18	C-PU-2833	Motor pulley (Model 919.156581)
	C-PU-2835	Motor pulley (Model 919.156781)
	C-PU-2836	Motor pulley (Model 919.156881)
19	STD580104	Key 3/16 × 3/16 × 1 1/4"
20	STD541631	Wing nut
21	—	(Not Used)
22	MO-6026	Motor 1-HP (Model 919.156581)
	MO-6221	Motor 2-HP (Model 919.156781)
	MO-6319	Motor 3-HP (Model 919.156881)
23	SUDL-4	Control console
24	LA-1457-1	Decal (Model 919.156581)
	LA-1459-1	Decal (Model 919.156781)
	LA-1460-1	Decal (Model 919.156881)
25	LA-1443	Decal (Model 919.156581)
	LA-1472	Decal (Model 919.156781 and Model 919.156881)
26	LA-1456	Decal all units
27	LA-1436-1	Decal (Model 919.156581)
	LA-1438-1	Decal (Model 919.156781)
	LA-1439-1	Decal (Model 919.156881)
28	—	(Not Used)
29	—	(Not Used)
30	LA-1461	Decal all units
31	SUDL-54-K25	Pin
32	SUDL-59-K25	Hold down screw
33	SUDL-14-K25	Jam nut
34	LA-1473	Decal (Model 919.156581)
	LA-1476	Decal (Model 919.156781)
	LA-1490	Decal (Model 919.156881)
35	SUDL-401	Wheel (2 used)
36	SUDL-1-K25	Shoulder bolt (2 used)
37	STD541437	Hex nut with lock washer (2 used)
38	SS-2707	Drain cock valve (1/4")
39	STD541025	Hex Nut 1/4"-20 (2 used)
40	STD522507	Cap screw 1/4"-20 × 3/4" (2 used)
41	SUDL-6-1-K25	Rubber foot strip
42	SUDL-41	Foot extension bracket



## PARTS LIST (Cont)

Key No.	Part Number	Description
43	SUDL-43	Handle
44	TA-477	12 gal. air tank (Model 919.156581)
	TA-478	20 gal. air tank (Model 919.156781)
	TA-479	30 gal. air tank (Model 919.156881)
45	SSF-8086-K25	Speed nut
46	SSP-1413-K25	Oil fill plug (46) (1/4"), oil drain plug (46A) (1/4")
47	265-41	Needle bearing
48	SUDL-5	Adapter
49	SUDL-8	Discharge tube 3/8"
49A	STD575037	3/8" Nut (2 used)
	STD575038	3/8" Ferrule (2 used)
50	SS-8562	Elbow 3/8"
51	TIA-4125	Safety valve ASME (Model 919.156581)
	TIA-4150	Safety valve ASME (Model 919.156781 and Model 919.156881)
52	SSW-7367-K25	Strain relief (2 used)
53	SUDL-403-1	Cord assembly (Model 919.156581)
	SUDL-404-1	Cord assembly (Model 919.156781 and Model 919.156881)
54	SUDL-409-1	Pressure switch (Model 919.156581)
	SUDL-412-1	Pressure switch (Model 919.156781)
	SUDL-410-1	Pressure switch (Model 919.156881)
55	SUDL-402-1	Cord assembly (motor to pressure switch)
56	SSP-1113	Nipple (Model 919.156581)
	SSP-1114	Nipple (Model 919.156781)
	SUDL-58	Nipple (Model 919.156881)
57	SUDL-53	Manifold
58	SSP-1414-K25	Pipe plug
59	265-145-1	Valve plate
•60	265-196	Exhaust flapper valve with corner bevels (2 used on valve plate) 
61	265-29-K25	Restrictor (2 used)
•62	SSF-9821-ZN-K25	Stick screw (8 used)
*63	265-26-1	Head gasket
•64	265-25	Intake flapper valve (2 used on head) 
65	265-20	Piston pin plug (4 used)
*66	265-28-1	Valve plate gasket
•67	265-195-1	Compression ring (4 used)
•68	265-192-1	Oil ring expander (2 used)
•69	265-191-1	Oil ring (2 used)
70	265-19	Piston pin (2 used)
71	265-15	Piston (2 used)
72	265-410	Connecting rod assembly (2 used)
73	SSF-927-ZN-K25	Screw (4 used)
*74	265-6	Vent filter
*75	265-111	Oil seal
76	265-2	Flywheel
77	C-BT-205	Poly-V Belt (Model 919.156781 and Model 919.156881)
	C-BT-213	Poly-V Belt (Model 919.156581)
78	SUDL-2	Belt guard (inside half)
79	SSN-1014-ZN-K25	Belleville washer
80	STD523107	Screw (5/16"-18 x 3/4")
81	SSF-925-ZN-K25	Thread forming screw (12 used)
82	265-9	End plate
83	265-23	Needle bearing
*84	265-13	End plate gasket
85	265-1	Crankshaft



## PARTS LIST (Cont)

Key No.	Part Number	Description
86	265-4	Crankcase and cylinder
*87	265-16	Base gasket
88	265-3	Base
89	SSF-928-ZN-K25	Screw $\frac{5}{16}$ -18 $\times$ 1 $\frac{1}{4}$ " (4 used)
Not Illustrated		
	SSH-8	Air chuck
	30-16172	Air hose assembly ( $\frac{5}{16}$ " $\times$ 25')
	30-15614	Spray gun and cup assembly (Model 919.156581 and Model 919.156781)
	30-15624	Spray gun and cup assembly (Model 919.156881)
	SI-30-00-3	Owner's Manual
	630-01	"Power Painting With Sprayer" booklet

- \* Parts available as individual parts and as part of Kit KK-4268.
- Only available as part of Ring Kit KK-4209.
- Only available as part of Valve Kit KK-4275.

## ACCESSORIES FOR USE WITH CRAFTSMAN SPRAYER/COMPRESSORS (SEE SEARS LATEST GENERAL GATALOG FOR FULL DESCRIPTION)

1. Spray Guns: 30-15634, 30-15624, 30-15614
2. Sandblasters: 30-16814C, 30-16813, 30-16801
3. Paint Tanks: 30-16105C
4. Blow Guns: 30-16236, 30-16234
5. Air Brushes: 30-15504, 30-15502, 30-15506
6. Air Tanks: 30-16125C, 30-16124C
7. Air Tools: sanders, drills, impact wrenches, hammers
8. Air Hose:  $\frac{1}{4}$ ",  $\frac{5}{16}$ " or  $\frac{3}{8}$ " inside diameter, 15', 25', 50' lengths
9. Inflator Kits: 30-16276
10. Quick Connector Sets: various sizes
11. Viscosimeter: 30-16393
12. Air Line Filters: 30-16009
13. Oil Fog Lubricators: 30-16017
14. Tire Air Chucks: 30-16311, 30-16272, 30-16269, 30-16271



## TROUBLESHOOTING GUIDE

### WARNING

**PERFORMING TROUBLESHOOTING OR REPAIRS MAY EXPOSE VOLTAGE SOURCES, MOVING PARTS, OR COMPRESSED AIR SOURCES. PERSONAL INJURY MAY OCCUR IF EXPOSED. PRIOR TO ATTEMPTING ANY TROUBLESHOOTING OR REPAIRS, THE COMPRESSOR MUST BE DISCONNECTED FROM THE POWER SOURCE. NEVER OPERATE THE OUTFIT WITH THE BELT GUARD REMOVED. THE BELT GUARD SHOULD BE REMOVED ONLY WHEN THE POWER CORD IS DISCONNECTED.**

PROBLEM	CAUSE	CORRECTION
Motor Will Not Run	Motor overload protection switch has tripped.	Let motor cool off and reset switch by pressing the red reset button located on the end of motor.
	Fuse blown, circuit breaker tripped.	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 recommended in the specification chart.
	Wrong gauge wire in extension cord.	Check for proper gauge wire. Refer to wire size recommendations under Motor Section of this manual.
	Pressure release valve on pressure switch has not unloaded head pressure.	Bleed line by pushing lever on pressure switch to OFF position which opens the pressure release valve.
	Check valve stuck.	Remove and clean or replace valve (do not overtighten).
	Loose electrical connections.	Check in motor connection box and pressure switch. Pressure switch cover can easily be removed by lifting cover at rear of switch.
	Capacitor on the motor.	Return to Sears Service Center to check and replace if necessary.
	Faulty motor.	Unless motor is visibly damaged, remove motor and have it checked at a local Sears Service Center.



## TROUBLESHOOTING GUIDE (Cont)

PROBLEM	CAUSE	CORRECTION
Air Leaks	Tube or hose fittings loose.	Tighten fittings with audible leak and check fittings under pressure with soapy water solution.
	Leak at welds.	<div style="border: 1px solid black; padding: 5px; text-align: center; margin-bottom: 10px;"><b>WARNING</b></div> <p><b>DO NOT DRILL INTO, WELD OR OTHERWISE MODIFY AIR TANK OR TANK WILL BE WEAKENED. TANK MUST BE REPLACED.</b></p> <p>Operate safety valve manually by pulling on ring. If valve still leaks, it should be replaced.</p>
	Air leak in safety valve.	
Restricted Air Intake	Dirty air filter.	Clean or replace with new.
Slipping Belts	Belts too loose.	Tighten wing nut on motor mount.
Low Discharge Pressure	Prolonged excessive use of air.	Decrease amount of air usage, compressor is not large enough for air requirement. See specification chart, page 5.
	Restricted air intake filter.	Clean or replace air intake filter.
	Belt too loose.	Tighten wing nut on motor mount.
	Hole in hose.	Check and replace if required.
Knocking	Loose pulley.	Tighten pulley set screw.
	Low oil level.	Check oil level and maintain at prescribed level.
	Flywheel loose.	Make sure flywheel is tight by tightening screw.
	Compressor bolts loose.	Check all bolts and tighten as required.
	Loose belt.	Adjust wing nut on motor mount.
Excessive Belt Wear	Belt too loose.	Adjust tension using wing nut on motor mount.
	Belt too tight.	Adjust tension using wing nut on motor mount.
	Pulley wobble.	Check for worn keyway or pulley bore resulting from running the compressor with loose pulleys. Also check for bent motor shaft.



**Sears**

## **OWNERS MANUAL**

**SERVICE**

### **MODEL NOS.**

**919.156581**

**919.156781**

**919.156881**

### **HOW TO ORDER REPAIR PARTS**

# **CRAFTSMAN SPRAYER/ COMPRESSOR**

Now that you have purchased your Sears Sprayer/Compressor, should a need ever exist for repair parts or service, simply contact any Sears Service Center and most Sears, Roebuck and Co. stores. Be sure to provide all pertinent facts when you call or visit.

The model number of your Sears Sprayer/Compressor is 919\_\_\_\_\_. This number can be found on the decal which is located on the front of the console.

**WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:**

- PART NUMBER
- PART DESCRIPTION
- MODEL NUMBER
- NAME OF ITEM

All parts listed may be ordered from any Sears Service Center and most Sears stores.

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for handling.