

Operation and Maintenance Manual



SA2560V



SA2580V



SA27580V



**SA788B
SA788BE
SA788H**



**SA6830B
SA6830H**



**SA61030B
SA61130H**

Model Number: _____

Serial Number: _____

SAFETY INSTRUCTIONS FOR ELECTRIC AND GAS AIR COMPRESSORS

When using air compressors and compressed air accessories, basic safety rules and precautions should always be followed including the following:

1. Read all instructions fully before operating this compressor.
2. Never use a compressor that is defective, operating abnormally, making strange noises, or otherwise appears defective. Stop using compressor immediately and arrange for repairs by an authorized service center.
3. Do not modify compressor. Always contact the authorized Schrader service center for any repairs.
4. Use only Manufacturer's Air Compressor replacement parts. Replacement parts not manufactured by Manufacturer may void your warranty and can lead to compressor malfunction and personal injuries.
5. Wiring, starters, breakers and other related electrical equipment should conform to electrical codes when operating any electric air compressors. Electrical connections should be made by a competent electrician.
6. Always disconnect compressor from its power source and remove the compressed air from the tank before servicing, inspecting, cleaning, replacing, or checking any parts.
7. Do not operate compressor without belt guard. If maintenance or servicing requires the removal of a guard or safety feature, be sure to replace the guard or safety feature before resuming operation of the compressor.
8. Do not use gasoline compressor if Load Genie does not operate properly. Have defective Load Genie replaced by an authorized service center.
9. Avoid unintentional starting. Do not move the compressor while connected to its power source or when the air tank is filled with compressed air.
10. Turn off the compressor when not in use. Then open the drain cock to discharge the compressed air from the air tank.
11. Do not expose compressor to rain. The compressor should be stored in a dry place.
12. Do not use compressor in the presence of flammable liquids or gases. Compressor can produce sparks during operation. Never use compressor in sites containing lacquer, paint, benzine, thinner, gasoline, gases, adhesive agents and other materials, which are combustible or explosive.
13. Use only recommended air handling parts acceptable for minimum pressure. Never use pressurized air accessories or parts in the air system that are not suitable for the maximum air pressure involved. The risk of bursting exists with use of unsuitable equipment. Always maintain maximum pressure specified by the manufacturer is well above the working pressure of your compressor.
14. If your compressor is used for spraying, do not spray in vicinity of open flame or other sources of ignition. Always direct paint or sprayed material away from compressor and locate compressor to minimize over spray accumulation on compressor.
15. Do not wipe plastic parts with solvent. Solvents such as gasoline, thinner, benzine, carbon tetrachloride and alcohol may damage and crack plastic parts. Wipe plastic parts with a soft cloth, lightly dampened with soapy water and dry thoroughly. When using cleaning solvent, follow the instructions provided by the solvent manufacturer.
16. Keep pressure relief devices free from paint or other accumulation. The motor air vent must be kept clean so that air can freely flow at all times. Check for dust build-up frequently.
17. Do not install Shutoff valves in the discharge line between the compressor and the receiver unless a safety valve, with adequate flow capacity and pressure setting, is located between shutoff valve and the compressor. Never operate a compressor without all guards or safety features in place and in proper working order.
18. Proper maintenance and care is necessary to ensure safe operation of the air compressor. Check compressor according to the maintenance schedule provided in this manual. Maintain compressor with care. Follow instructions for lubrication. Keep all screws, bolts, and plates tightly mounted. Check for damaged parts and air leaks, daily. Check for alignment of moving parts, binding of moving parts, guard, breakage of parts, and any other conditions that may affect the operation of compressor. Drain tank daily to prevent rust formation and damage.
19. Do not operate any compressor with damaged wiring or hosing, or after the compressor or air handling parts have been dropped, damaged or show signs of deterioration, weakness or leakage. Do not use them if a deficiency is found. A unit that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this Instruction Manual.
20. Keep clear of compressor while operating. It may become extremely hot during operation. To reduce the risk of burns, do not touch tubes, heads, cylinders or motors.

SAFETY INSTRUCTIONS (cont.)

21. Never touch moving parts. Always wear safety goggles or equivalent eye protection. Dress properly. Do not wear loose clothing or jewelry. These can be caught in moving parts. Wear protective hair covering to contain long hair.
22. Never aim compressed air at anyone or any part of the body.
23. Never operate a compressor in damp or wet location. Protect yourself against electric shock. Prevent body contact with grounded surfaces such as pipes, radiators, ranges and refrigeration enclosures.

INSTALLATION

UNPACKING INSTRUCTIONS

The two-stage compressor was inspected at the factory and packaged to protect against shipping damage. When you unpack your unit, inspect for damaged or missing parts. If there are any damaged or missing parts, the transportation company's agent should make a notation to the effect on the Bill of Lading. **Claims, should be settled directly with the transportation company.**

INSTALLATION

The compressor must be placed in a clean and well-ventilated room. Compressor should be located at least 12 to 18 inches away from a wall or other obstruction so that the flow of air through the flywheel will not be impeded.

Rotation of the flywheel must be in the direction of the arrow cast into the flywheel.

The compressor should be as near as possible to air outlets to avoid long pipe lines. Do not place compressor where heat is excessive. Provide adequate fresh air to and exhaust ventilation from area in which the compressor is located.

Electric Compressors

Remove wood shipping skid before installation.

Place compressor on a firm, level floor. Permanent installations should be bolted to the floor. Bolting holes are provided in the base feet. Shim compressor level before bolting down to floor. Avoid putting stress on a foot by pulling it down to floor. This may cause abnormal vibration.

Gas Compressors

Remove the shipping skid and place unit on a flat, level surface. For truck mounting always use the same kind of

rubber mounts between frame and tank legs (4). This will allow truck frame or bed to flex without damaging tank legs and also reduces engine vibration transferring to truck. From battery to engine starter use at least 4 AWG cable.

OPERATION

ROTATION OF FLYWHEEL

As the compressor starts, check the rotation of the flywheel. Standard rotation is clockwise, viewing the compressor from the side of the sight glass. A rotation arrow, is placed on the flywheel at the factory. Should the rotation be incorrect, disengage the power and correct the motor wiring.

Electric Compressors

WARNING: After the compressor is started it will operate automatically with the electric start-stop (pressure switch control).

When the air pressure in the receiver reaches the preset high pressure level the pressure switch opens, electrically stopping the compressor driver motor. As the air is used from the receiver the pressure drops closing the pressure switch at the preset low pressure level, restarting the driver motor.

Gas Compressors

Gas Compressor will automatically idle down when it reaches a maximum pressure and rethrottle at minimum pressure.

AIR INLET FILTER/SILENCER

It is very important that the air inlet filter/silencer be kept clean at all times. A dirty inlet filter reduces the capacity of the compressor. Carefully clean the filter element by blowing the element clean with compressed air from the inside out.

CAUTION! Cleaning process should be performed after every 300 hours of operation or more frequently if the compressor is used in a dusty environment. Install a new air filter element every two oil changes.

LUBRICATION OF COMPRESSOR

Some compressors maybe shipped without oil. Fill crankcase with oil to level on sight gauge before operating. DO NOT OVERFILL. Use a high quality, non-detergent petroleum-based compressor oil containing anti-oxidant and corrosion-inhibiting additives.

DO NOT USE DETERGENT OILS IN THE PUMP.

For normal ambient temperatures between 41°F and 77°F use oil that meets ISO 100 viscosity requirements (high viscosity SAE 30W to low viscosity SAE40W). For ambient temperatures below 41°F use oil that meets ISO 68 viscosity requirements (high viscosity SAE 20W). For ambient temperatures above 77°F use oil that meets ISO 150 viscosity requirements (high viscosity SAE 40W).

Change oil after first 50 hours of use. Afterwards, change petroleum-based oils and filter every 100 hours of operation.

Severity of Service	Maximum Ambient Temperature (°F)	Atmospheric Contamination
Standard	104	Clean, Little Corrosion
Severe	122	Moderate Dirt, Corrosion
Extreme	>122 Class H Insulation	Severe Dirt, Abrasive Dust, Corrosion
Low Temperature	-22	

Operating Condition	Multiplier
Standard	1.00
Severe	0.50
Extreme	0.10

Mounting for Stationary Air Compressor only.
Air Compressor Mounting Kit available, Order 824678

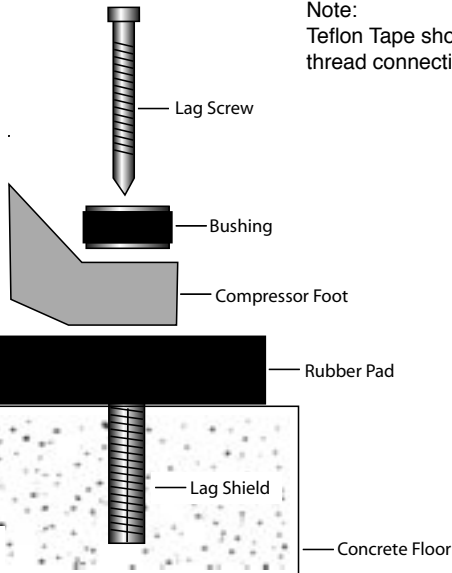
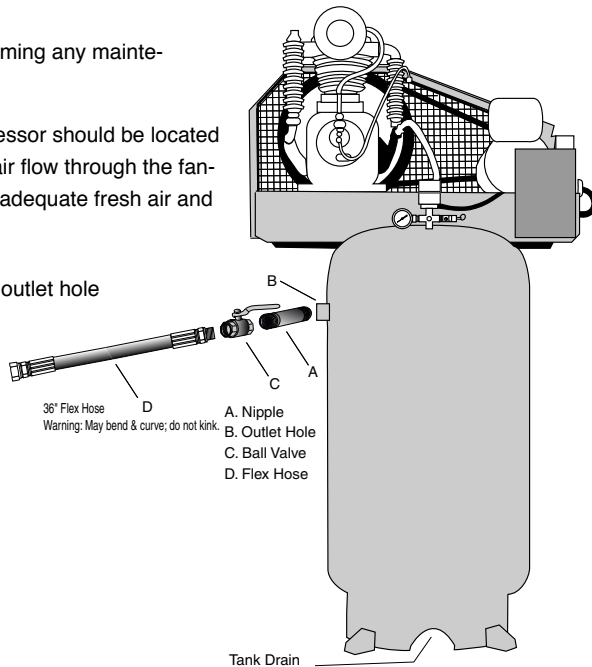
All Vertical Compressors are top heavy and can easily tip over. Use appropriate lifting device for moving unit to desired location. When using air compressors instruction before at personal injury and/or property damage.

Disconnect power and release all air pressure before installing and/or performing any maintenance.

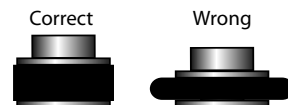
The compressor must be placed in a clean and well ventilated room. Compressor should be located at least 12-18 inches away from a wall or other obstruction that will impede air flow through the fan-bladed flywheel. Do not place compressor where heat is excessive. Provide adequate fresh air and exhaust ventilation from area in which the compressor is located.

1. Install 3/4" NPT nipple into tank outlet hole
2. Install 3/4" NPT Ball Valve.
3. Install 3/4" x 36" Flexible Hose.

Note:
Teflon Tape should be used on all thread connections.



1. Select a location for mounting unit on a firm and level floor.
2. Position unit and mark feet location in center hole of each foot.
3. Prepare to drill holes by removing unit.
4. Drill each of the marked holes 3" in depth using a 3/4" concrete drill bit. Blow out holes and insert lag shield making sure they are flush with the floor.
5. Position unit over drilled holes.
6. Place one rubber isolation pad under each foot.
7. Assemble 1 1/2" metal/rubber washer and lag bolt into each lag shield. Do not over tighten.

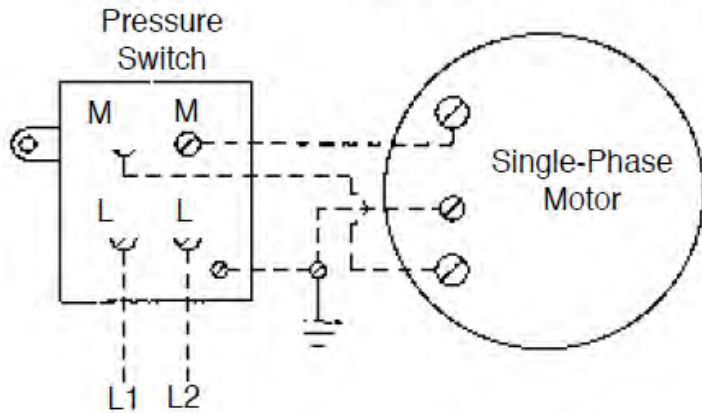


WIRING DIAGRAM SA2560V, SA2580V & SA27580V

Installation Should Be Made By A Competent Electrician

Various national, local codes and standards have been assembled covering electrical apparatus and wiring. These should be consulted and local ordinances observed. All wiring should be done by a competent electrician.

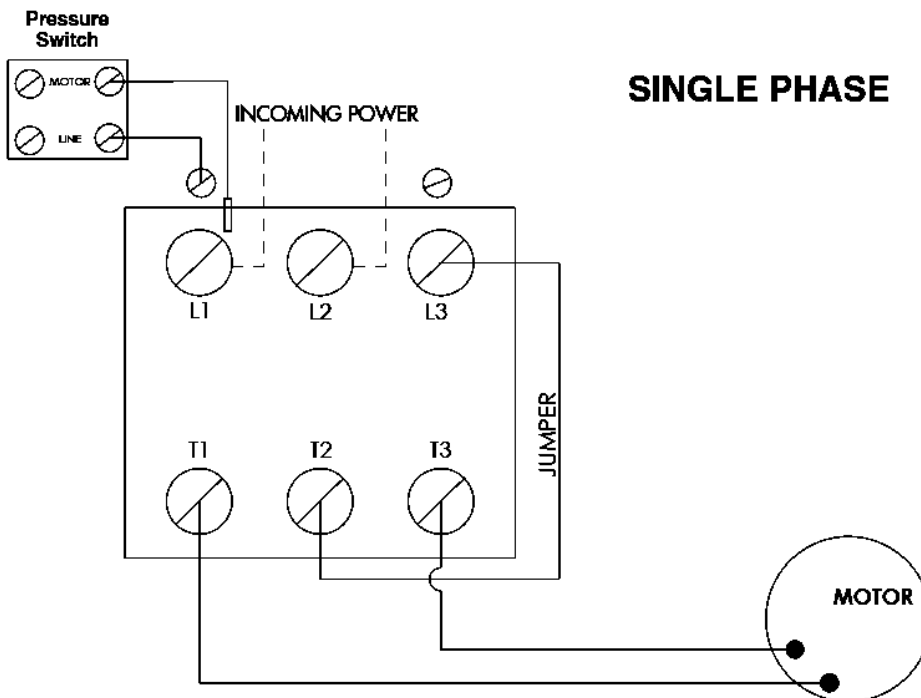
SA2560V/SAT2580V



BREAKER SIZE (amps) Single Phase		
HP	208V	230V
5	30	30
7 1/2	50	50

L1 & L2 indicate supply line terminals.

SA27580V Magnetic Starter 8215PW



MAINTENANCE

DAILY

- Check compressor visually.
- Drain moisture from system piping.
- Turn power off and drain moisture from tank by opening drain cock in bottom of tank.

WEEKLY

- Check V-belts for tightness. Belt tension should be adjusted to allow approximately 1/4 - 1/2 inch deflection with normal thumb pressure.
- Check oil level and add oil as required.
- Turn power off and clean dust and foreign material from cylinder head, motor, flywheel blades, air lines, intercooler, aftercooler and tank.

MONTHLY

- Turn power off, reduce receiver pressure to 25 PSI and check operation of high pressure safety valve by pulling ring.
- Check flywheel and motor pulley bolts for tightness.

QUARTERLY

- Every 90 days check entire system for air leakage around fittings, etc. using a soap solution. Tighten nuts and cap screws as required.

EVERY TWO YEARS

- Clean the delivery and suction valves.

MAINTENANCE SCHEDULE - CHECK CHART

PROCEDURE	DAILY	WEEKLY	MONTHLY	QUARTERLY	YEARLY
Check Oil Level. Caution! Do not overfill.	X				
Perform visual check of compressor.	X				
Drain moisture accumulation from the air receiver and system piping.	X				
Check the air distribution system for air leaks				X	
Clean dust from all cooling surfaces of compressor.		X			
Operate safety valves (pressure relief valve).			X		
Check belts for correct tension and alignment.		X			
Check motor pulley and flywheel bolts for tightness.			X		
Inspect discharge line for excessive carbon accumulations.					X
Inspect pressure switch diaphragm and contact points for deterioration.					X
Inspect valve assemblies.				X	
Change compressor oil.	‡	‡	‡	‡	‡
Replace or clean intake filter element.	‡	‡	‡	‡	‡
Service electric motor.	‡	‡	‡	‡	‡

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. Compressor will not operate.	<ol style="list-style-type: none"> 1. No electrical power. 2. Pressure switch not making contact 	<ol style="list-style-type: none"> 1. Turn on power. 2. See pressure switch adjustment.
2. Excessive noise in operation	<ol style="list-style-type: none"> 1. Loose pulley, flywheel, belt, beltguard, cooler, clamps or accessories. 2. Lack of oil in crankcase. 3. Piston hitting the valve plate. 4. Compressor floor mounting loose. 5. Defective crankcase. 6. Excessive crankshaft end play. 	<ol style="list-style-type: none"> 1. Tighten. 2. Check for possible damage to bearings, replenish oil. 3. Remove the compressor cylinder head and inspect for foreign matter on top of the piston. Add a new gasket and reassemble the head. 4. Tighten. 5. Repair or replace. 6. Adjust and shim properly.
3. Knock - same cycle as R.P.M.	<ol style="list-style-type: none"> 1. Main bearings. 	<ol style="list-style-type: none"> 1. Replace bearings.
4. Knock occurs while compressor is loading.	<ol style="list-style-type: none"> 1. Connecting rod bearings. 2. Wrist pins, wrist pin bearings. 	<ol style="list-style-type: none"> 1. Replace rod bearing and examine crankshaft. 2. Replace complete piston assembly.
5. Milky oil in oil reservoir.	<ol style="list-style-type: none"> 1. Water entering oil reservoir due to compressor operating in high humidity environment. 	<ol style="list-style-type: none"> 1. Pipe air intake to less humid air source.
6. Excessive oil consumption.	<ol style="list-style-type: none"> 1. Restricted air intake. 2. Oil leaks. 3. Worn piston rings. 4. Wrong oil viscosity. 5. Compressor tilted excessively. 6. Scored cylinder. 	<ol style="list-style-type: none"> 1. Clean or replace air filter. 2. Tighten bolts or replace gasket. 3. Replace piston rings. 4. Drain oil, refill with oil of proper viscosity. See Lubrication Section. 5. Level compressor. 6. Replace cylinder.
7. Oil in discharge air.	<ol style="list-style-type: none"> 1. Compressor air intake restricted. 2. Worn piston rings. 3. Excessive oil in compressor. 4. Wrong oil viscosity. 5. Piston rings installed up-side down. 	<ol style="list-style-type: none"> 1. Clean air filter element and check for other restrictions in the intake system. 2. Replace rings. 3. Drain down to full mark on sight gauge. 4. Drain oil, refill with oil of proper viscosity. See Lubrication Section. 5. Install ring in proper position.
8. Compressor vibrates.	<ol style="list-style-type: none"> 1. Mounting bolts loose. 2. Compressor not properly mounted. 3. Pulley and flywheel misaligned. 4. Belts loose. 5. Bent crankshaft. 	<ol style="list-style-type: none"> 1. Tighten. 2. Level compressor so that all feet touch the floor before tightening down. 3. Realign. 4. Tighten belts. See Maintenance Section. 5. Replace crankshaft.

TROUBLESHOOTING (continued)

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
9. Air blowing out of inlet	1. Broken first stage inlet valve.	1. Replace valve assembly.
10. Insufficient pressure at point of use.	1. Leaks or restrictions. 2. Restricted air intake. 3. Slipping belts. 4. Service hose too small. 5. Excessive air requirement.	1. Check for leaks or restrictions in piping. Repair. 2. Clean or replace air filter element. 3. Tighten belts. See Maintenance Section. 4. Replace with larger hose. 5. Limit air requirement to compressor capacity.
11. Receiver does not hold pressure when compressor is unloaded.	1. Faulty check valve.	1. Bleed Tank! Disassemble check valve assembly, clean or replace faulty parts. DANGER: Do not disassemble check valve with air in tank. NOTE: Check valve is always the first valve in the line leading from the tank to the compressor.
12. Excessive belt wear.	1. Pulley out of alignment. 2. Belts too tight. 3. Belts too loose. 4. Pulley or flywheel wobble. 5. Nick in belt groove of pulley or flywheel.	1. Realign motor pulley with compressor flywheel. 2. Adjust tension. See Maintenance Section. 3. Adjust tension. See Maintenance Section. 4. Check for worn crankshaft, keyway or pulley bore, resulting from running with loose pulleys. Check for bent crankshaft. 5. File smooth.
13. Excessively hot discharge air	1. Dirty cooling surfaces. 2. Poor ventilation. 3. Blown head gasket. 4. Restricted air intake 5. Worn valves.	1. Clean all surfaces of foreign material. 2. Improve ventilation or relocate compressor. See Installation. 3. Replace head gasket. 4. Clean or replace air filter element. 5. Repair or replace valves.
14. Receiver pressure builds up slowly.	1. Dirty air filter. 2. Blown cylinder head gasket. 3. Worn or broken low pressure intake or discharge valves. 4. Air leaks. 5. Loose belts. 6. Speed too slow.	1. Clean or replace filter element. 2. Install new head gasket. 3. Install new valve assembly. 4. Tighten joints. 5. Tighten belts. See Maintenance Section. 6. Check electric motor performance.

UNLOADER ADJUSTMENT

Load Genie 82709

Installation

The Load Genie has 1/2 NPT "IN" and "OUT" ports and is suitable for compressors with a discharge of up to 32 SCFM . The Load Genie is typically installed onto the tank with a short pipe nipple. The "OUT" port must be connected directly to the tank with no other check valves in between the tank and the Load Genie.

Note:

On some retrofit applications, there may have been a type of check valve known as an "In Tank" check valve previously installed. Make sure there is a clear air path between the tanks and "OUT" port before installing the Load Genie. The compressor discharge line can now be routed into the "IN" port of the Load Genie. The installation is now complete.

Regulator Adjustment

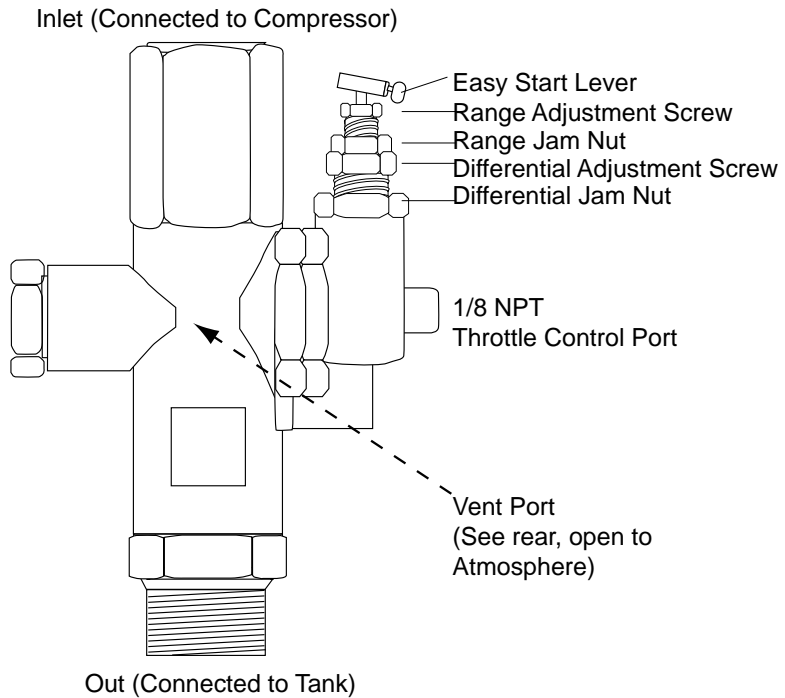
Cutout pressure is adjustable from 60 PSI to 175 PSI with the standard silver spring. The differential (difference between cut-out and cut-in pressures) is typically set at the factory at approximately 15% of the cut-out pressure. This is usually a suitable differential and will not normally need to be readjusted.

1. Loosen range screw jam nut first.
2. Turn range screw clockwise to raise cut-out and cut-in pressure levels and counter clockwise to decrease cut-out and cut-in levels.
3. Start compressor and note cut-out and cut-in pressures. Make adjustments as necessary using range adjustment screw, when acceptable, tight en range adjustment screw jam nut.
4. Adjust the cut-in pressure to the desired level per steps #1, #2, and #3, as shown.
5. Loosen differential screw jam nut and turn differential screw clockwise to raise cut-out pressure and counter clockwise to decrease the cut-out pressure. Tighten differential screw jam nut when desired cut-out pressure is set. Since step 5 should not change the desired cut-in pressure set in step # 4, adjustment is now complete.

Use with Gasoline Engine Throttle Controls

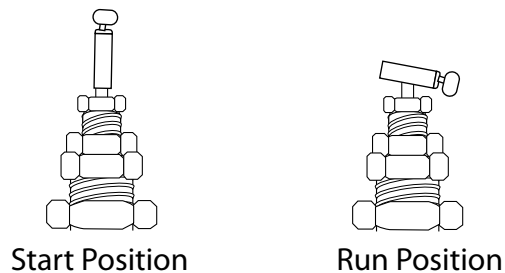
A 1/8 NPT tapped port in the end of the Load Genie allows the use of a throttle control to slow down the driving engine when in the cutout (venting) mode. The throttle control is simply a small (e.g., 1/2" dia. X 1" stroke) single-acting, spring return air cylinder which moves the throttle lever on the engine to the idle position when the cylinder is pressurized while in the cut-out mode.

Throttle control is specifically designed for this application. It is important that the throttle control air cylinder is leak-tight and that all connections between that Load Genie and the air cylinder are leak-tight.



Starting Unit

Easy Start: Place Easy Start Lever in upright position, Start Unit, when running smoothly flip lever to run position.



COMPRESSOR SPECIFICATIONS

GENERAL SPECIFICATIONS	SA2560V	SA2580V	SA27580V
Height (in.)	73	73	73
Width (in.)	35 3/8	36 1/2	36 1/2
Depth (in.)	20	24	24
Motor Output (HP)	5	5	7.5
Net Weight (lb.)	340	435	515
Tank Size (Gal.)	60	80	80

PUMP SPECIFICATIONS

Air Output (CFM)	13.5 CFM @ 175 PSI	13.5 CFM @ 175 PSI	17.0 CFM @ 175 PSI
	14.0 CFM @ 100 PSI	14.0 CFM @ 100 PSI	17.5 CFM @ 100 PSI
Number of Cylinders	2	2	2
Low-Pressure Bore Diameter (in.)	3.74	3.74	4.1
Hi-Pressure Bore Diameter (in.)	2.05	2.05	2.04
Piston Stroke (in.)	2.36	2.36	2.95
Displacement (in. ³)	25.9	25.9	39.6
Air Input (CFM)	19.5	19.5	24.5
Speed @ 100 PSIG (RPM)	1301	1301	1065
Working Pressure (PSIG)	175	175	175
Flywheel Pitch Diameter (in.)	15.53	15.53	15.53
Oil Capacity (qt.)	1.1	1.1	1.7
Length (in.)	15.7	15.7	15.7
Width (in.)	13.6	13.6	14.4
Height (in.)	19.9	19.9	20.5

GENERAL SPECIFICATIONS	SA788B (E) (H)	SA6830B (H)	SA61030B - SA61130H
Height (in.)	29.5	39	42
Width (in.)	19	19	19
Depth (in.)	46	42	42
Motor Output (HP)	8	8	10
Net Weight (lb.)	215	290	300
Tank Size (Gal.)	8 Twin	30	30

PUMP SPECIFICATIONS

Air Output (CFM)	13.5 CFM @ 175 PSI	13.5 CFM @ 175 PSI	17.0 CFM @ 175 PSI
	14.0 CFM @ 100 PSI	14.0 CFM @ 100 PSI	17.5 CFM @ 100 PSI
Number of Cylinders	2	2	2
Low-Pressure Bore Diameter (in.)	3.74	3.74	4.1
Hi-Pressure Bore Diameter (in.)	2.05	2.05	2.04
Piston Stroke (in.)	2.36	2.36	2.95
Displacement (in. ³)	25.9	25.9	39.6
Air Input (CFM)	19.5	19.5	24.5
Speed @ 100 PSIG (RPM)	1301	1301	1065
Working Pressure (PSIG)	175	175	175
Flywheel Pitch Diameter (in.)	15.53	15.53	15.53
Oil Capacity (qt.)	1.1	1.1	1.7
Length (in.)	15.7	15.7	15.7
Width (in.)	13.6	13.6	14.4
Height (in.)	19.9	19.9	20.5

AIR CONSUMPTION CHART

	<u>PSI</u>	<u>SCFM</u>
Air filer		4.0*
Air filter cleaner	70-100	3.6*
Air motors		
..... 1 HP		7.0
..... 2 HP		13.0
..... 3 HP		19.0
Air polisher		16.0
Blow gun	90-100	2.4
Brake tester	70-100	3.6
Caulking gun	10-70	2.2
Circular saw		17.0
Die grinder		6.0
Drill, 3/8 inch	70-90	4.0*
Engine cleaner	90-100	5.0
Fender hammer	70-100	9.0*
Filing machine	90-100	5.0*
Grease gun	120-150	6.0*
Hydraulic lift		6.0-12.0*
Impact wrench		
..... 3/8 inch	70-90	3.0*
..... 1/2 inch	70-90	4.0*
..... 5/8 inch	70-90	5.0*
..... 3/4 inch	70-90	8.0*
..... 1 inch	70-90	12.0*
Air hammer	90-100	7.0*
Orbital sander	70-100	12.0*
Panel cutter	70-100	4.0
Nail hammer	90-100	4.0
Rim stripper	125-150	5.0
Spark plug cleaner	90-100	5.0
Air scaler		5.0

	<u>PSI</u>	<u>SCFM</u>
Spray gun		
Production	90-100	16.0*
Touchup	90-100	8.0*
Undercoating	90-100	19.0*
Tire bead breaker	125-150	12.0*
Tire changer	125-150	1.0
Tire hammer	90-100	12.0
Tire inflation line	125-150	1.4
Tire spreader	125-150	1.0
Transmission flusher	70-100	3.0
Carbon remover	70-100	3.0*
Burring tool	90-100	5.0*
Vacuum cleaner	125-150	6.0
Hydraulic floor jack	125-150	6.0
Radiator tester	90-100	1.1
Air saw		6.0
Vertical air sanders		
5"		12.0
7"		16.0
9"		18.0
Vertical grinder		
3"		6.0
4"		12.0
7"		24.0

Consult the spec. sheet supplied with your air tool or equipment for the exact operating pressure and air volume requirements.

***Continuous Run Tools**

82289015 COMPRESSOR PUMP

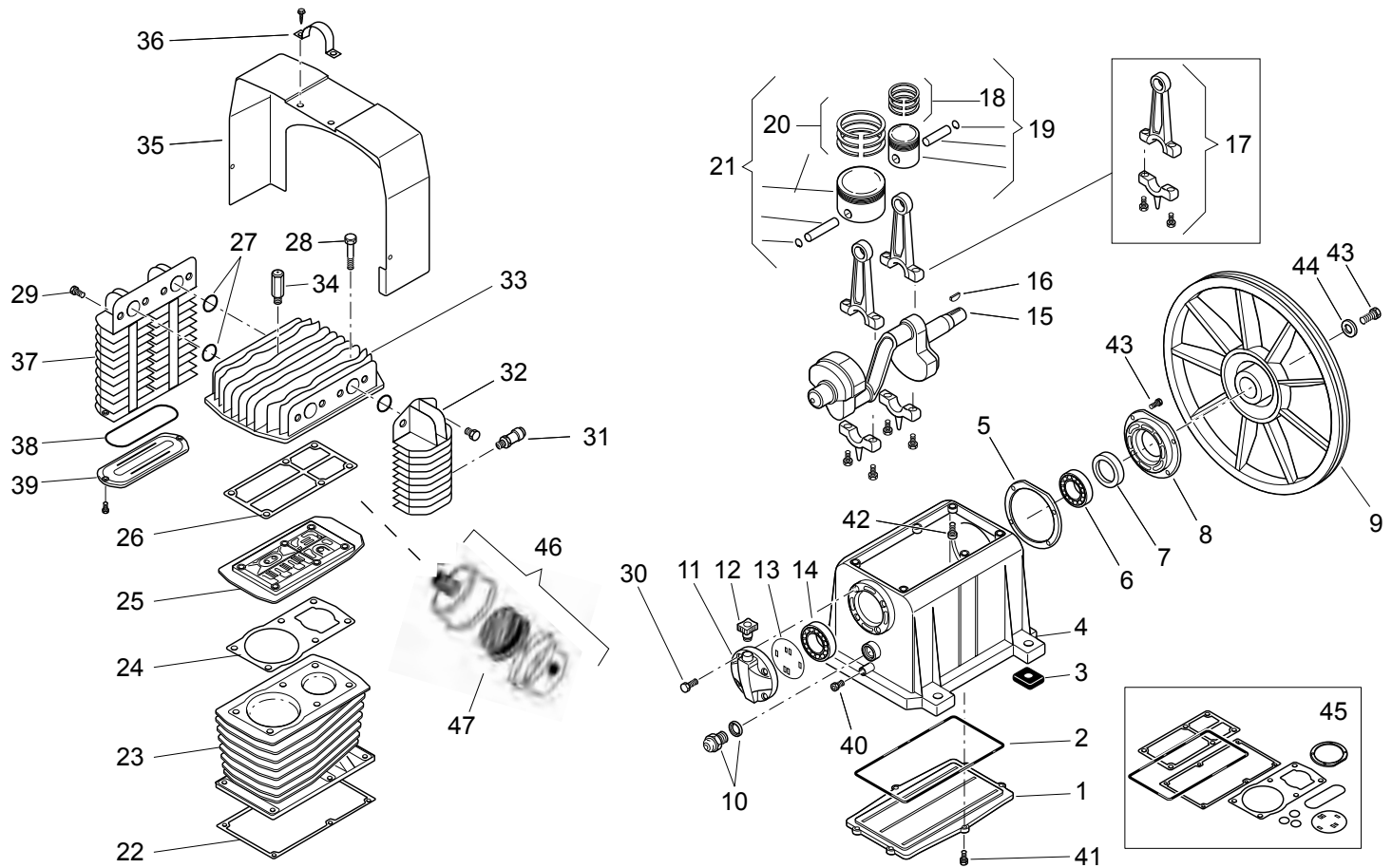
For Compressors:

SA256V

SA2580V

SA788B - SA788BE -SA788H

SA6830B - SA68030H



Note:

Head Bolt Torque = 33.2 foot pounds

82-289015		BK114
#	Part Number	Description
1	82-286932	Lower Cover
2	82-213141020	See # 45
3	82-286930	Vibration Damper
4	82-286929	Casing
5	82-213141020	See # 45
6	82-286945	Bearing
7	82-010008000	Seal
8	82-286947	Front Cover
9	82-013178007	B-Groove Flywheel
10	82-286935	Oil Level Sight Glass
11	82-286937	Rear Cover
12	82-286939	Oil Plug
13	82-213141020	See # 45
14	82-286957	Bearing
15	82-113178006	Crankshaft
16	*GH	Feather
17	82-286956	Connecting Rod
18	82-213129002	Piston Ring Kit HP
19	82-286894	Complete Piston HP
20	82-286973	Piston Ring Kit LP
21	82-287071	Complete Piston LP
22	82-213141020	See # 45
23	82-113179001	Cylinder
24	82-213141020	See # 45
25	82-287077	Valve Holder Plate
26	82-213141020	See # 45
27	82-213141020	See # 45
28	*GH	Screw
29	*GH	Screw
30	*GH	Screw
31	82-047002000	Safety Valve (16.5 Bar)
32	82-113163025	Final Manifold
33	82-113179013	Head 1" NPT
34	82-047086000	Safety Valve (6 Bar)
35	82-113178004	Conveyor
36	82-113178011	Eyebolt
37	82-013141039	Manifold
38	82-213141020	See # 45
39	82-113141040	Manifold Cover
40	*GH	Plug
41	*GH	Screw
42	*GH	Screw
43	*GH	Screw
44	82-014005001	Washer
45	82-213141020	Full Gasket Set
46	82-289017	Air Filter Assembly
47	82-288665	Air Filter Element

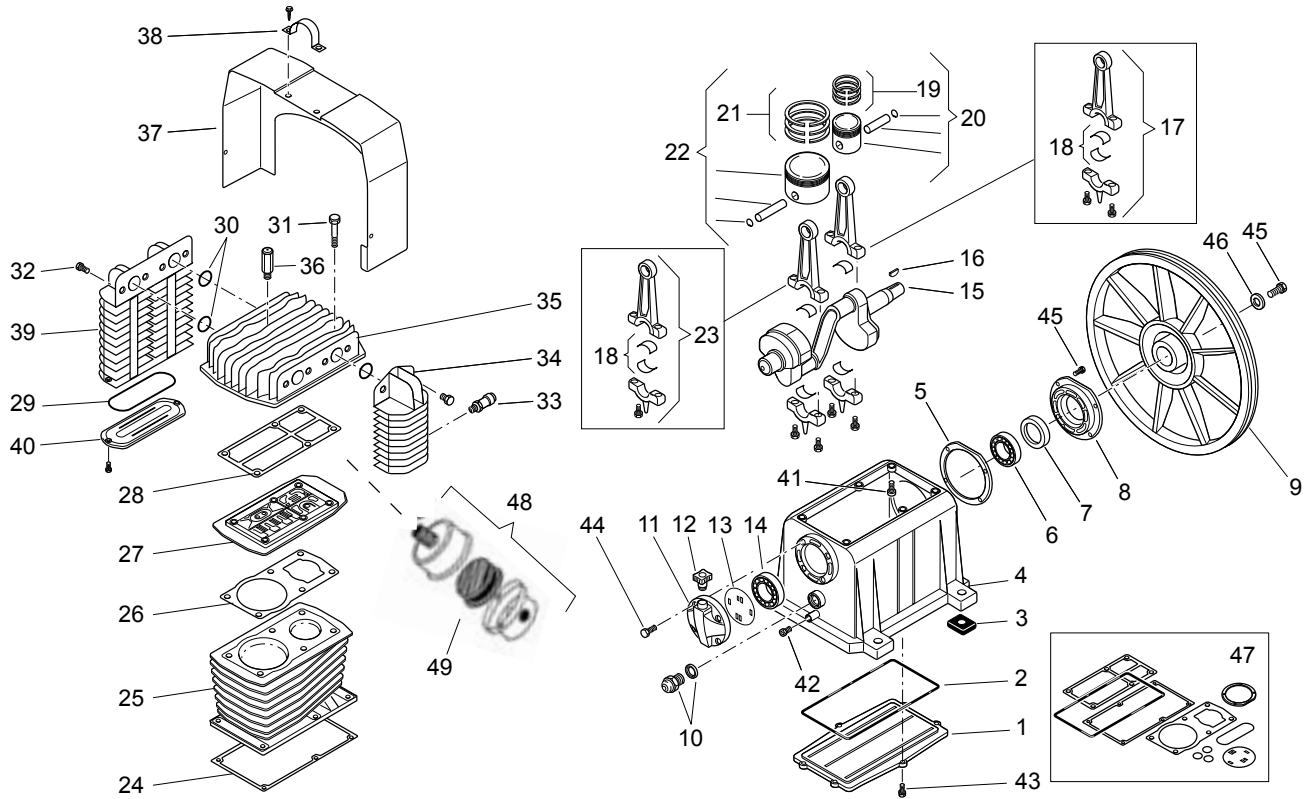
* General Hardware

82289016 COMPRESSOR PUMP

For Compressors:

SA27580V

SA61030B - SA61130H



Note:

Head bolt torque = 33.2 foot pounds

82-289016		BK119
#	Part Number	Description
1	82-286932	Lower Cover
2	82-213153020	See # 47
3	82-286930	Vibration Damper
4	82-286860	Casing
5	82-287095	See # 47
6	82-286945	Bearing
7	82-010008000	Seal
8	82-286947	Front Cover
9	82-013178007	B-Groove Flywheel
10	82-286935	Oil Level Sight Glass
11	82-286937	Rear Cover
12	82-286939	Oil Plug
13	82-213153020	See # 47
14	82-286957	Bearing
15	82-286880	Crankshaft
16	*GH	Feather
17	82-286915	Connecting Rod HP
18	na seperate w/rod	connecting Rod Bearing
19	82-286963	Piston Ring Kit 052 HP
20	82-413141029	Complete Piston HP
21	82-286901	Piston Ring Kit 095 HP
22	82-286904	Complete Piston LP
23	82-286884	Connection Rod LP
24	82-213153020	See # 47
25	82-286908	Cylinder
26	82-213153020	See # 47
27	82-287077	Valve Holder Plate
28	82-213153020	See # 477
29	82-213153020	See # 47
30	82-213153020	See # 47
31	*GH	Screw
32	*GH	Screw
33	82-047002000	Safety Valve (16,5 Bar)
34	82-113163025	Final Manifold
35	82-113179013	Head 1" NPT
36	82-047086000	Safety Valve (6 Bar)
37	82-113178004	Conveyor
38	82-113178011	Eyebolt
39	82-013141039	Manifold
40	82-113141040	Manifold Cover
41	*GH	Screw
42	*GH	Plug
43	*GH	Screw
44	*GH	Screw
45	*GH	Screw
46	*GH	Washer
47	82-213153020	Full Gasket Set
48	82-289017	Air Filter Assembly
49	82-288665	Air Filter Element

* General Hardware Part

AIR COMPRESSOR

SA2560V

SA2580V

SA27580V

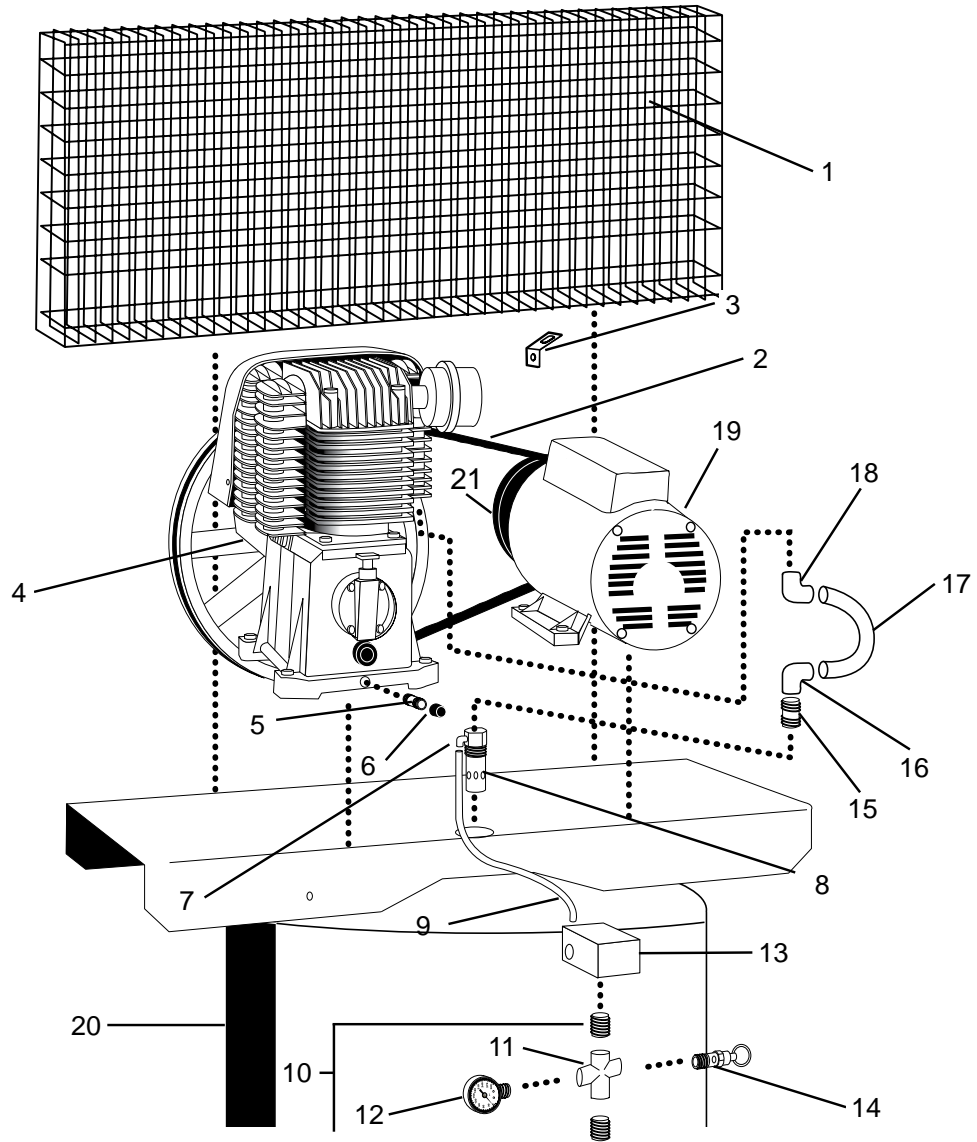
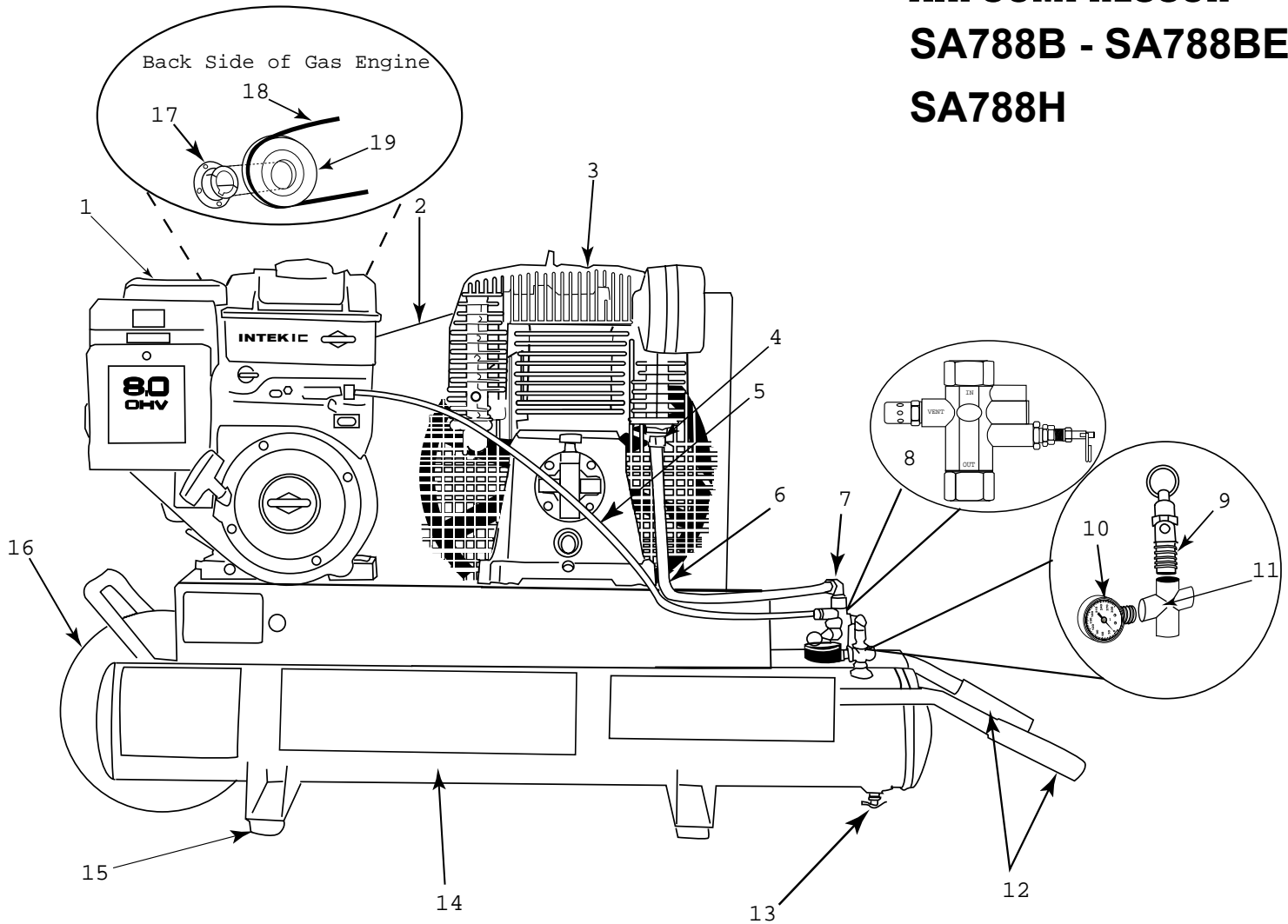


Diagram No.	Description	SA2560V	SA2580V	SA27580V
1	Belt Guard	82-9004	82-9004	82-9004
2	Belt	82-9003	82-9003	82-9018
3	Support Bracket	82-288602	82-288602	82-288602
4	Pump	82-289015	82-289015	82-289016
5	Extension	82-9023	82-9023	82-9023
6	Cap	84-98	84-98	84-98
7	Fitting	82-630	82-630	82-630
8	Check Valve	82-P7575	82-P7510	82-P7510
9	Tube	82-600	82-600	82-600
10	Fitting	82-640	82-640	82-640
11	Fitting	82-651	82-651	82-651
12	Gauge	82-516	82-516	82-516
13	Pressure Switch	82-779	82-779	82-779
14	Safety Valve	82-951	82-951	82-951
15	Fitting	82-997	82-9022	82-9022
16	Fitting	82-9011	82-9011	82-9021
17	Tube	82-604-356-VAT	82-604-358-VAT	82-603-368-VAT
18	Fitting	82-9010	82-9010	82-9020
19	Motor	82-5000MD	82-5000MD	82-6200MA
20	Tank	82-9901	82-81	82-81
21	Pulley	82-9002	82-9002	82-9017

AIR COMPRESSOR

SA788B - SA788BE

SA788H



Diagram

No.	Part No.	Description
1	82-288623	13.5 Torque Briggs & Stratton Gas Engine
1	82-288611	13.5 Torque B & S Gas Engine with Electric Start
1	82-841E	GX240 Honda Gas Engine
2	82-288618	Belt Guard
3	82-289015	Pump (See pages 11-12)
4	82-288624	Fitting
5	82-205BN	Throttle Cable
6	82-604-808PGT	Discharge Tube
7	82-625	90° Fitting
8	82-709	Load Genie (See page 8)
9	82-951	Safety Valve
10	82-516	Pressure Gauge
11	82-651	4 way cross
12	82-29	Handle grips
13	82-650	Drain
14	82-288626	Tank
15	82-685	Rubber Feet
16	82-288628	Wheel
17	82-3804HI	Bushing
18	82-288613	Belt
19	82-747	Sheave

AIR COMPRESSOR

SA6830B - SA6830H

SA61030B - SA61130H

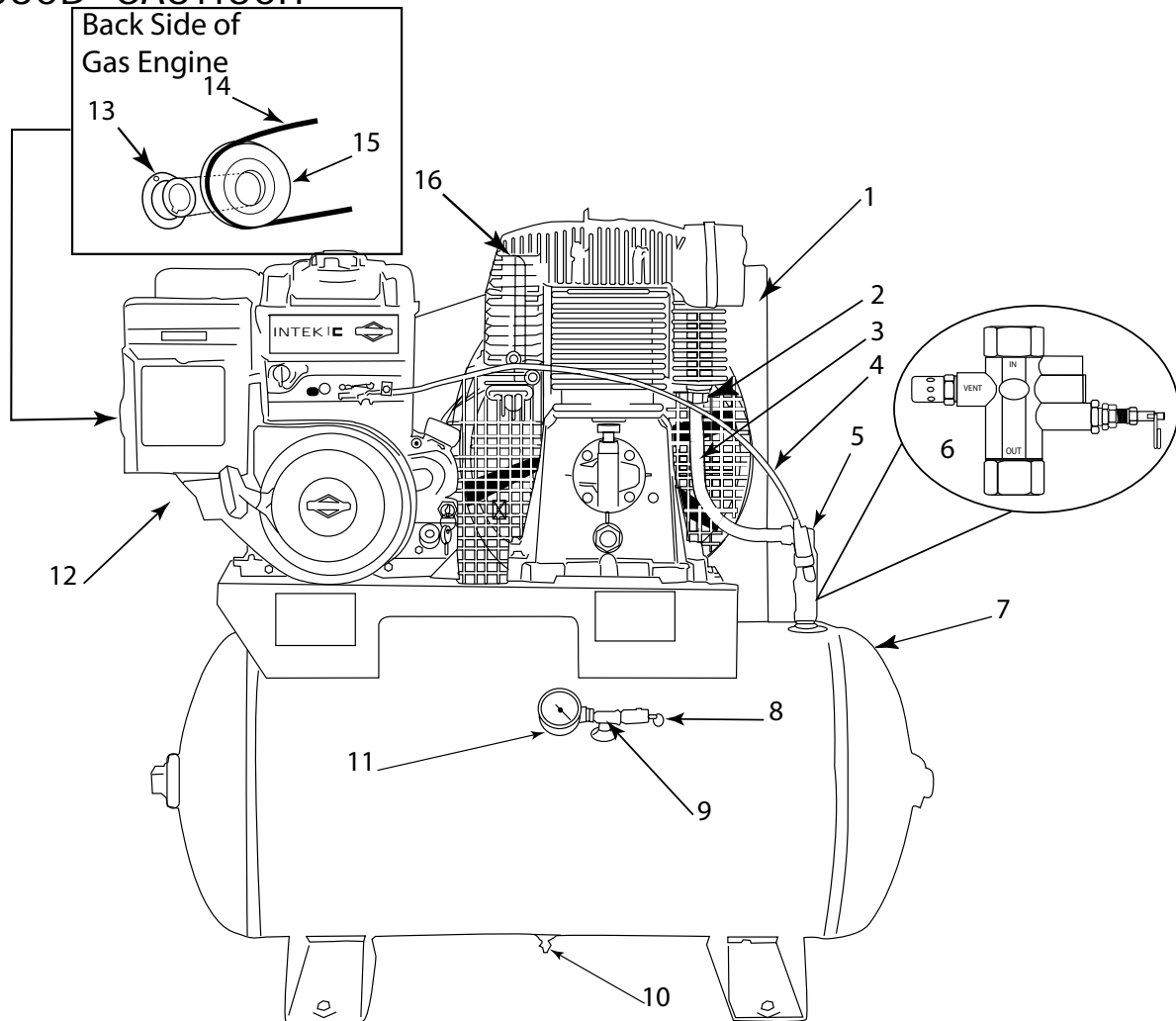


Diagram No.	.SA6830B or H Part No.	SA61030B & SA61130H Part No.	Description
1	82-288618	82-288618	Belt Guard
2	82-288614	82-288614	Fitting
3	82-604-823-GT	82-604-1023-GT	Discharge Tube
4	82-205BN	82-205BN	Throttle Control
5	82-625	82-625	90° Fitting
6	82-709	82-709	Load Genie (See page 8)
7	82-288610	82-288610	Tank
8	82-951	82-951	Safety Valve
9	82-652	82-652	1/4" Tee
10	82-650	82-650	Drain Cock
11	82-516	82-516	Pressure Gauge
12	(13.5) 82-288611	(14.5) 82-288619	Briggs & Stratton Gas Engine
12	(GX240) 82-841E	(GX340) 82-842E	Honda Gas Engine
13	82-3804HI	82-3804HI	Bushing
14	82-288613	82-288613	Belt
15	82-747	82-288620	Sheave
16	82-289015	82-289016	Pump (See pages 11-14)

Warranty Policy

For one year from the date of purchase, Manufacturer will repair or replace for the original purchaser free of charge, any part or parts found upon examination by Manufacturer to be defective in material or workmanship or both. All transportation charges or parts submitted for replacement under this warranty must be borne by the purchaser. There is no other express warranty, implied warranties, including those of merchantability and fitness for a particular purpose are limited to one year from the date of purchase and to the extent permitted by law, any and all implied warranties are excluded. This is the exclusive remedy, and liability for consequential damages under any and all warranties are excluded to the extent exclusion is permitted by law.

- This warranty does not apply to electric motors, gasoline engines, or portable air compressors. These are covered by the Original Manufacturer's Warranty and should be returned (by the customer) to the appropriate authorized service center for service.
- All claims pertaining to the merchandise in this schedule must be filed with Manufacturer within 12 months of the invoice date, or they will not be honored. Prices, discount, and terms are subject to change with out notice or as stipulated in specific product quotations. All agreements are contingent upon strikes, accidents, and other causes beyond our control. All shipments are carefully inspected and counted before leaving the factory.
- Please inspect carefully any receipt of merchandise, noting any discrepancy or damage on the carrier's freight bill at time of delivery. Discrepancies or damage, which obviously occurred in transit, are the carrier's responsibility and related claims should be made promptly directly to the carrier.
- Returned merchandise will not be accepted without prior written authorization by Manufacturer. Deductions from invoices for shortage or damage claims will not be allowed. Unless otherwise agreed to in writing, these terms and conditions will control in any transaction with Manufacturers, regardless of any different or conflicting terms as may appear on any order form now or later submitted by the buyer. All orders are subject to acceptance by Manufacturer.
- This warranty shall not be effective unless the warranty registration certificate is completely filled out and returned to Manufacturer within ten (10) days from the delivery of the equipment to the original end-user.
- Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that the unit is within the warranty period, must be presented to obtain warranty service.
- This warranty is invalid if the factory-applied serial number has been altered or removed from the product, or an electric compressor has been used in conjunction with a generator.
- To locate the closest Authorized Service Center, or for service assistance or resolution of a service problem, or for product information and operation, call or write to:

Air Compressor Warranty

205 Frazier Road

Altavista, VA 24517

1-800-288-1804 ext. 620

techsvc@schrader-bridgeport.com



Schrader Bridgeport International, Inc., 205 Frazier Road, Altavista, Virginia 24517