

# **Air Compressors**



### **PRODUCT SUPPORT**

Please have the model and serial number of your machine available when you call. Technical support is available Mon-Fri, 8a-5p EST: (866) 869-3114

### A WARNING

THIS PRODUCT CAN EXPOSE YOU TO CHEMICALS INCLUDING LEAD, WHICH IS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FORM MORE INFORMATION GO TO WWW.P65WARNINGS.CA.GOV 2024114400

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# **SAFETY GUIDELINES – DEFINITIONS**

Safety is a combination of common sense, staying alert and knowing how your compressor works. Read this manual to understand this compressor.

# DANGER

means if safety information is not followed someone will be seriously injured or killed

# $\wedge$

# WARNING

means if safety information is not followed someone could be seriously injured or killed

### CAUTION

means if safety information is not followed someone may suffer moderate or minor injury

# **IMPORTANT SAFETY INSTRUCTIONS**

#### Save these instructions

Improper operation or maintenance of this product could result in serious injury and property damage. Read and understand all warnings and operation instructions before using this compressor.

#### Before using the air compressor

#### Things you should know

Air compressors are utilized in a variety of air system applications. Because air compressors and other components (hoses, connectors, air tools, spray guns, etc.) make up a high pressure pumping system, the following safety precautions should be observed at all times.

# Only persons familiar with these rules of safe operation should use the air compressor

- Read the instruction manual carefully before attempting to assemble, disassemble or operate your system. Be thoroughly familiar with the controls and the proper use of the equipment.
- 2. Review and understand all safety instructions and operating procedures in this manual.
- 3. Review the maintenance methods for this compressor throughout this manual.

#### Inspect your work area

- 1. Keep work area clean.
- 2. Cluttered areas and benches invite accidents. Floors must not be slippery from wax or dust.

#### Inspect your compressor

- 1. To reduce the risk of injury from accidental starting, turn switch off and disconnect the power before checking it.
- If any part is missing, bent or broken in any way or any electrical part does not work properly, keep the compressor off and disconnected.
- Check hoses for weak or worn condition before each use, making certain all connections are secure. Do Not use if defect is found.

#### WARNING

Do not operate compressor if damaged during shipping, handling or use. Damage may result in bursting and cause injury or property damage.

#### DANGER

This compressor is NOT designed for and should not be used in breathing air applications.

#### When installing or moving the compressor



### WARNING

This compressor is extremely top heavy. The compressor must be bolted to the floor with vibration pads before operating to prevent equipment damage, injury or death. DO NOT tighten bolts completely as this may cause stress to the tank welds. See **Illustration 1a**.

# To reduce the risk of a dangerous environment

- 1. Keep work area well lit.
- Operate compressor in a well-ventilated area free from flammable liquids and vapors.
- Operate compressor in a ventilated area so that compressor may be properly cooled and the surrounding air temperature will not be more than 100°F (38°C).
- 4. Never use a compressor in a wet environment.
- Protect material lines and air lines from damage or puncture. Keep hose and wires away from sharp objects, chemical spills, oil, solvents and wet floors.



#### WARNING

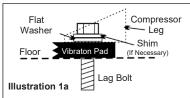
DO NOT secure compressor with toggle bolts into drywall. Drywall sheeting or plaster will not support the weight of the compressor and serious injury could result.

#### Always Shut Off Gas Valve before moving Gas Drive Compressors

 A minimum clearance of 18 inches (46 cm) between the compressor and a wall is required because objects could obstruct airflow.

#### Inspect your work area

- 1. Keep work area clean. Cluttered areas and benches invite accidents.
- 2. The floor must not be slippery from wax or dust.



- The compressor should be located where it can be directly wired to a circuit breaker. Based on design, certain compressors should be wired by a qualified electrician.
- 8. Never store flammable liquids or gases in the vicinity of an operating compressor.
- DO NOT locate the compressor air inlet near steam, paint spray, sandblasting areas or any other source of contamination. The debris could damage the motor and pump.



 Never use plastic (PVC) pipe for compressed air. Serious injury or death could result.



#### CAUTION

Never use the shipping skid for mounting the compressor.

### $\wedge$

#### NOTICE

Electric Compressors are not suitable for outdoor installation.



#### NOTICE

Gasoline Compressors must be operated outdoors, sheltered from the weather.



#### WARNING

Never install a shut off valve between the compressor pump and tank. Personal injury and/or equipment damage could occur.

#### Before each use

#### Inspect your compressor

- 1. To reduce the risk of injury from accidental starting, turn the switch off and disconnect power.
- If any part is missing, bent or broken in any way, or any electrical part does not work properly, keep the compressor off and disconnect power. DO NOT use if defect is found.
- Check hoses for weak or worn condition before each use, making certain all connections are secure. DO NOT use if a defect is found.

#### Follow the safety precautions for electrical connections

- 1. Follow all local electrical and safety codes. as well as the National Electric Code (NEC) and the Occupational Safety and Health Act (OSHA).
- 2. Wiring and fuses should follow electrical codes, current capacity and be properly grounded.

#### Plan ahead to protect your eyes, hands, face and ears

#### Dress for safety

- 1. Wear safety glasses (meeting ANSI Z87.1 or in Canada CSA Z94.3-99) and use hearing protection when operating the unit. Everyday glasses are not safety glasses.
- 2. Wear shoes to prevent shock hazards.
- 3. Tie back long hair.

#### Pay attention to your hands



#### WARNING

Keep fingers away from running compressor. Fast moving and hot parts may cause injury and/or burns.



#### CAUTION

Be careful when touching the exterior of compressor, pump, motor and air lines; they may become hot enough to cause injury.

Protect wires from contact with sharp objects.

#### CAUTION

All electrical connections should be made by a qualified electrician.

#### WARNING

Never operate the compressor without a belt guard. The compressor can start automatically without warning. Personal injury or property damage could occur from contact with moving parts.



#### CAUTION

The compressor may be hot even if the unit is stopped.



#### WARNING

Use of a mask or respirator per chemical manufacturers' instructions may be necessary if there is a chance of inhaling toxic fumes. Read mask and respirator instructions carefully. Consult a safety expert if you are not sure about the use of certain masks or respirators.

#### When operating

- 1 Do not exceed the pressure rating of any component of the system.
- 2. Release pressure within the system slowly to prevent flying dust and debris.
- If the equipment starts to abnormally 3. vibrate, STOP the compressor immediately and check for the cause.



#### WARNING

To avoid serious injury, never change the safety valve or pressure switch settings. Keep safety valve free from paint and other accumulations. See compressor specification decal for maximum operating pressure. Do not operate with the pressure switch set higher than the maximum operating pressure.



#### WARNING

Never point a spray gun at yourself or any other person or animal. Accidental discharge may result in serious injury.

# Reduce the risk of dangerous environment



#### WARNING

Extreme caution should be taken when spraying flammable liquids, as the spark from a motor or pressure switch may cause a fire or explosion. Ample ventilation must be provided.



#### WARNING

Spray in a well ventilated area to keep fumes from collecting and causing serious injury and fire hazards.  DO NOT spray in the vicinity of open flames or other places where a spark can cause ignition. DO NOT smoke when spraying paint, insecticides or other flammable substances.

# Be informed about the materials you use

- When spraying with solvents or toxic chemicals, follow the instructions provided by the chemical manufacturer. Consult a safety expert if unsure about the use of masks or respirators.
- If the material you intend to spray contains trichloroethane and methylene chloride, do not use accessories that contain aluminum or galvanized materials, as these chemicals can react with galvanized components, causing corrosion and weakening equipment. Use stainless steel accessories.

#### Perform these maintenance operations

- 1. Do regular maintenance; keep all nuts, bolts, and screws tight, to be sure equipment is in safe working condition.
- Inspect tank yearly for rust, pin holes or any other imperfections that could cause it to become unsafe.



#### WARNING

NEVER attempt to repair or modify a tank! Welding, drilling or any other modification will weaken the tank, resulting in damage from rupture or explosion. To avoid injury, always replace worn, cracked or damaged tanks.

- Clean electrical equipment with an approved cleaning agent, such as a dry, non-flammable cleaning solvent.
- 4. Drain tanks of moisture after each day's use. If unit will not be used for a while, it is best to leave the drain cock open until such time as it is to be used. This will allow moisture to completely drain out and help prevent corrosion of inside of tank.
- Always disconnect from power source before working on or near a motor or its connected load. If power disconnect point is out-of-sight, secure it in the "OFF" position and tag it to prevent unexpected application of power.

### WARNING

Disconnect power and depressurize system before servicing air compressor to avoid injury. Slightly open drain cock after shutting off compressor.

#### Daily

Check oil level at sight glass. Oil level should be 1/2 to slightly higher in the oil sight glass.

Drain moisture from tank.

Verify the pressure switch unloader is working by listening for a brief hissing sound when the compressor shuts off.

Visually check the compressor for loose parts, excessive noise or vibration. Tighten any necessary part.

#### Monthly

(Make sure the main power is off.) Check the belts for tension. Belts should not move up and down when the compressor runs and when stopped, should not have more than 1/2 inch (13 mm) of play when depressed. Be careful not to over tighten belts during adjustment.

Remove and check air filter, replace if necessary.

Change oil every 3 months or 300 hours. A compressor grade 30 wt non-detergent oil should be used. Use 40 wt non-detergent for single stage.

### TYPICAL COMPRESSOR INSTALLATION



### **GLOSSARY OF TERMS**

#### Air Filter

Porous element contained within a metal or plastic housing attached to the compressor cylinder head which removes impurities from the intake air of the compressor.

#### Air Tank

Cylindrical component which contains the compressed air.

#### **Check Valve**

Device which prevents compressed air from flowing back from the air tank to the compressor pump.

#### **Electric Motor**

Device which provides the rotational force necessary to operate the compressor pump.

#### Pressure Gauge

Device which shows the tank or regulated pressure of the compressed air.

#### **Pressure Switch**

Device which automatically controls the on/off cycling of the compressor. It stops the compressor when the cut-off pressure in the tank is reached and starts the compressor when the air pressure drops below the cut-in pressure.

#### PSI (Pounds per Square Inch)

Measurement of the pressure exerted by the force of air. The actual psi is measured by a pressure gauge on the compressor.

#### Pump

Device which produces the compressed air with a reciprocating piston contained within a cylinder.

#### Safety Valve

Device which prevents air pressure in the air tank from rising over a predetermined limit.

#### **Thermal Overload Switch**

Device, integrated into the electric motor winding, which automatically "shuts off" the compressor if the temperature of the electric motor exceeds a predetermined limit.

# WIRING



### WARNING

ALL ELECTRICAL WIRING SHOULD BE DONE BY A QUALIFIED ELECTRICIAN.

#### **General Information**

Adequate wiring and motor protection should be provided for all stationary compressors. Wiring used for other machinery should not be used. A qualified electrician familiar with local electrical codes in your area should be used. Size supply wiring per NEC (National Electric Code) requirements.



#### WARNING

To reduce the risk of electrical hazards, fire hazards or damage to the compressor, use proper circuit protection. Your compressor is wired at the factory for operation using the voltage shown. Connect the compressor to a power source with the correct breaker size.



#### WARNING

Electrical connections must be properly grounded. Ground connections should be connected at the grounding screw.



#### CAUTION

Overheating, short circuiting and fire damage will result from inadequate wiring.

#### Single Phase

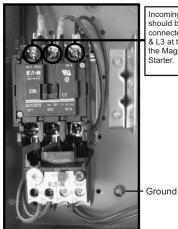
Incoming power should be connected to L1 and L2 at the Top of the Magnetic Starter.

> Overload Adjustment





#### Three Phase



Incoming power should be connected to L1, L2 & L3 at the top of the Magnetic Starter.

#### DO NOT MAKE CONNECTIONS AT THE PRESSURE SWITCH (Units with Magnetic Starters)

#### Duplex

Power should be brought into the left-hand starter. Do not bring power to both starters.

#### For Models Without Magnetic Starter



Incoming power should be connected to the posts marked (LINE)

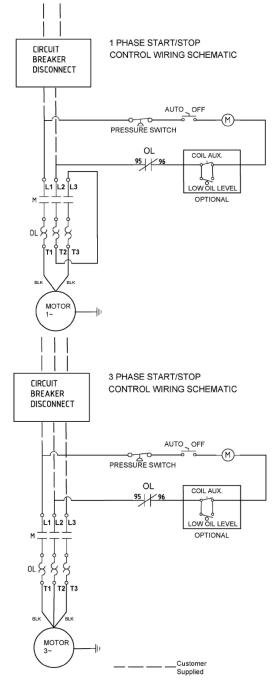
Do not make connections on prewired posts marked (MOTOR)!

> Electrical connections must be properly grounded. Ground connections should be connected at a grounding screw.



# WIRING

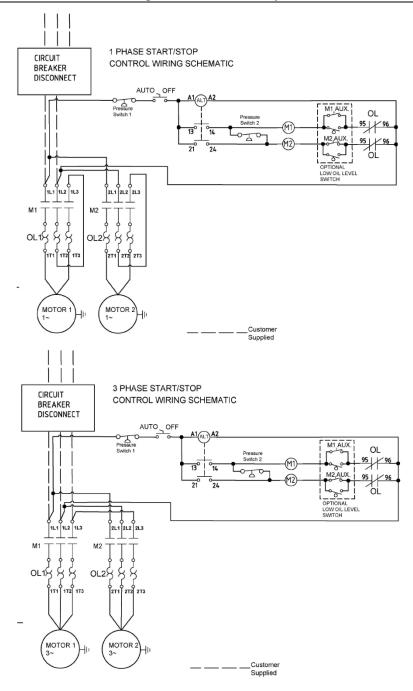
#### Single and Three Phase with Mag Starter



Page 8

# WIRING

#### Single and Three Phase Duplex



# STARTING THE COMPRESSOR

Prior to actually running the compressor, check the following items:

Crankcase oil - Make sure the sight glass shows 1/2 full or slightly above.

Make sure all rags, tools, oil, etc. are away from the unit.

Open the air system to free it of any pressure.

Switch the compressor on for a few revolutions to make sure the rotation is correct. Correct rotation is clockwise when facing the sight glass on the pump. Operate the compressor for a few minutes unloaded (air system open) then allow the compressor to pump up. Make sure the electrical pressure switch properly switches off the compressor according to the setting desired. 175 psi for Two Stage and 135 psi for Single Stage.



#### CAUTION

Make sure the pressure in the tank does not exceed its rating: Single Stage units at 135 psi, Two Stage units at 175 psi.

If the pressure gauge indicates a pressure that is higher than these maximum pressures, shut off compressor immediately and call your distributor.

#### Gas Drive Models

# PLEASE REFER TO YOUR ENGINE OPERATION MANUAL FOR PROPER STARTING INSTRUCTIONS.

GASOLINE DRIVEN COMPRESSORS ARE EQUIPPED WITH A COLD START VALVE FOR LOADLESS STARTS.

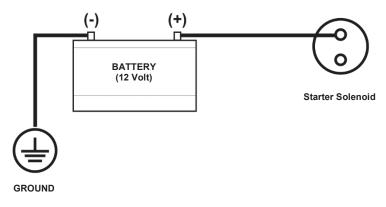
NOTE: IN SOME INSTANCES, IT STILL MAY BE NECESSARY LIFT THE TOGGLE ON THE UNLOADER/PILOT VALVE TO RELIEVE THE HEAD PRESSURE. See Page 11.

Battery Connection Instructions for Electric Start Engines

**NOTE:** Make sure to follow instructions carefully to avoid a short and possible damage to the starter solenoid and/or battery.

- 1. Connect the positive (+) terminal on the battery to the starter solenoid.
- Connect the negative (-) terminal on the battery to an engine mounting bolt or other acceptable ground connection.

Always connect the positive (+) battery cable to the starter solenoid before connecting the negative (-) battery cable. NUMBER 2 WIRE OR LARGER IS REQUIRED.

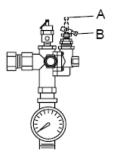


#### Cold Start Procedure (Gasoline Engine Units)

#### WARNING

DO NOT OPERATE GASOLINE ENGINE UNITS IN AN ENCLOSED AREA.

- Release any remaining tank pressure by slowly opening the manual drain valve.
- Turn on the engine gasoline supply.
- Put the choke in the "On" position.
- Close the service valve and put Unloader lever in the "unload" (A) position for Briggs and Stratton and Honda engine driven models, or the "load" (B) position for Kohler engine models.
- Start the engine, release the choke, and allow the engine to warm up for two to three minutes.
- Return the unloader lever to the "load" (B) position on Briggs and Stratton and Honda driven models.



NOTE: Turn the gasoline supply off when the compressor is not being used.

### **COMPRESSOR FEATURES**

### Low Oil Level Switch - Premier Models The function of the low oil level switch is to keep the air compressor from starting if the oil level drops beyond a certain point. For compressors outfitted with the low oil level switch, the oil should appear in the top 1/3 of the oil sight glass. When changing or adding oil, it is important to remove the Oil Vent Plug to allow for the oil to flow completely into the switch.

TRO	UBLESHOOTING G	UIDE
Low discharge pressure	1. Compressor too small for application	<ol> <li>Reduce air demand or use a compressor with more air capacity.</li> </ol>
	2. Air leaks	<ol> <li>Listen for air leaks. Apply a soap solution to all fittings and connections. Bubbles will form at points of leakage. Tighten or replace fittings or connections.</li> </ol>
	3. Restricted intake air	3. Clean or replace air filter.
	4. Blown gasket(s)	4. Replace necessary gaskets.
	5. Broken or misaligned valves	<ol> <li>Remove head and inspect for broken or misaligned valves. Replace valves, if necessary.</li> </ol>
		Install a new head gasket each time head is removed.
Excessive noise "knocking"	1. Loose drive pulley or flywheel	1. Tighten drive pulley or flywheel bolt.
	2. Low on oil	<ol> <li>Check for proper oil level. Low or dirty oil may cause bearing damage.</li> </ol>
	<ol> <li>Worn connecting rod or connecting rod bearing</li> </ol>	<ol> <li>Replace connecting rod and/or connecting rod bearings.</li> </ol>
	4. Noisy check valve	4. Replace check valve.
		Do not remove check valve with air pressure in tank.
Excessive oil carryover	1. Worn piston rings	1. Replace with new piston rings.
	2. Restricted intake air	2. Clean or replace air filter.
	3. Too much oil in compressor	3. Drain oil to proper oil level.
	4. Incorrect oil viscosity	<ol> <li>Use a quality non-detergent 30 or 40 wt oil specified for each model (Page 4).</li> </ol>
Water in tank and/or discharge line	<ol> <li>Normal amount of water will increase as humidity in the air increases.</li> </ol>	1. Drain tank at least once per day.
		2. Add an inline filter to reduce moisture in the air line.
Will not run or motor hums	1. Low voltage	<ol> <li>Check voltage with volt meter across both legs of incoming power. Check reset button on motor.</li> </ol>
	2. Malfunctioning pressure switch	<ol> <li>Repair or replace pressure switch.</li> </ol>
	3. Malfunctioning check valve	3. Replace check valve or pressure switch.
		A DANGER
		Do not remove check valve with air pressure in tank.

TROUBLE	Sł	HOOTING GUIDE	(C	ontinued)
Breaker or reset repeatedly trips	1.	Incorrect breaker size	1.	Make sure the breaker is sized properly. See page 6 in this manual.
	2.	Low voltage	2.	Check voltage with volt meter across both legs of incoming power.
	3.	Malfunctioning motor	3.	Replace motor.
	4.	Loose electrical connections	4.	Check all electrical connections.
	5.	Malfunctioning pressure switch	5.	Adjust or replace pressure switch.
	6.	Malfunctioning check valve	6.	Replace check valve.
			Â	DANGER
				o not remove check valve with air essure in tank.
Tank does not hold pressure when	1.	Malfunctioning check valve	1.	Replace check valve.
not running and shut off valve is closed			Â	DANGER
				o not remove check valve with air essure in tank.
	2.	Loose fittings or connections	2.	Tighten or replace fittings or connections.
	3.	Crack or pin hole in tank	3.	Replace tank. Do not attempt to repair tank.
Pressure switch unloader constantly leaking air	1.	Malfunctioning check valve	1.	Replace check valve if unloader bleeds constantly.
			Â	DANGER
				o not remove check valve with air essure in tank.
Pressure switch not unloading	1.	Malfunctioning pressure switch	1.	Replace pressure switch if it does not release air pressure briefly when unit shuts off.
			Â	DANGER
				o not remove pressure switch with pressure in tank.
Excessive vibration	1.	Improper installation	1.	Make sure unit is mounted on a level surface with vibration pads.
	2.	Loose belts	2.	Replace belts. Align and tighten properly.
	3.	Misaligned flywheel or drive pulley	3.	Align flywheel and drive pulley.
Overheating	1.	Compressor too small for application	1.	Reduce air demand or use a compressor with more air capacity.
	2.	Cooling surfaces dirty	2.	Clean all cooling surfaces of dirt and dust.
	3.	Improper cooling	3.	Install compressor in an area with adequate cool dry air.

# PUMP SPECIFICATIONS

Pump Model	Pump P/N	Cyl. No.	Stages
PAT24	4116091136	2	1
PAT38	4116091337	2	1
PAT49	1609402496	2	2
C1	1312202800	2	2
C2	1312202700	4	2

Pump	Cyl. Diam i	n. (mm)	Stroke in.	Max	Oil Cap.	Displacement (	🕽 max RPM
Model	1st Stg	2nd Stg	(mm)	rpm	Qt. (L)	CFM	L/M
PAT24	2.48 (63)	N/A	1.50 (38)	1400	0.56 (0.53)	11.71	331.59
PAT38	2.48 (63)	N/A	2.36 (60)	1400	0.91 (0.86)	18.49	523.58
PAT49	3.74 (95)	1.97 (50)	2.48 (63)	1400	0.91 (0.86)	20.40	578.00
C1	4.13 (105)	2.16 (55)	3.5 (89)	1000	1.31 (1.24)	27.13	768.33
C2	4.13 (105)	2.16 (55)	3.5 (89)	900	1.50 (1.42)	48.84	1382.99

Dump Madal		Bol	t Torque FtLbs.	. (NM)	
Pump Model	Conrod	Head	Cylinder	Bearing Housing	Flywheel
PAT24	N/A	18-20 (24-27)	18-20 (24-27)	5-7 (7-10)	18-20 (24-27)
PAT38	N/A	18-20 (24-27)	18-20 (24-27)	5-7 (7-10)	18-20 (24-27)
PAT49	N/A	18-20 (24-27)	18-20 (24-27)	5-7 (7-10)	18-20 (24-27)
C1	34-37 (46-50)	34-37 (46-50)	19-27 (26-37)	14-19 (19-26)	47-57 (64-77)
C2	34-37 (46-50)	34-37 (46-50)	19-27 (26-37)	14-19 (19-26)	47-57 (64-77)

# TANK SPECIFICATIONS

Volu	ume	Max Pr	essure	Discharge Conn.
Gal.	Liter	PSI	Bar	NPT
60V	228	170	11.7	1/2"
80V	300	200	13.8	3/4"
80H	300	200	13.8	3/4"
80V	300	200	13.8	3/4"
30H	114	200	13.8	3/4"
120V	456	200	13.8	3/4"
120H	456	200	13.8	3/4"
120D	456	200	13.8	3/4"
200D	760	200	13.8	3/4"



#### WARNING

Oil and moisture residue must be drained from the air receiver daily or after each use. Accumulations of oil residue in the receiver can be ignited by embers of carbon created by the heat of compression - causing an explosion, damage to property and injury to personnel.



#### WARNING

Do not open a manual tank drain valve on any air tank containing more than 30 PSIG of air pressure!



#### WARNING

# Never attempt to relieve an air tank by removing a pipe plug or any other system component!

#### Manually Draining an Air Tank:

- **Step 1)** Disconnect and lockout the compressor from the power source (electric models) or disconnect the spark plug wire from the spark plug (gas engine models).
- Step 2) Tank(s) subjected to freezing temperatures may contain ice. Store the compressor in a heated area before attempting to drain moisture from the tank(s). Reduce the air pressure in the tank to 30 PSIG by pulling the pressure relief valve ring.
- Slowly open the drain valve and allow the moisture and air mixture to drain from the tank.
- Step 4) Once the moisture has been completely drained, close the drain valve.

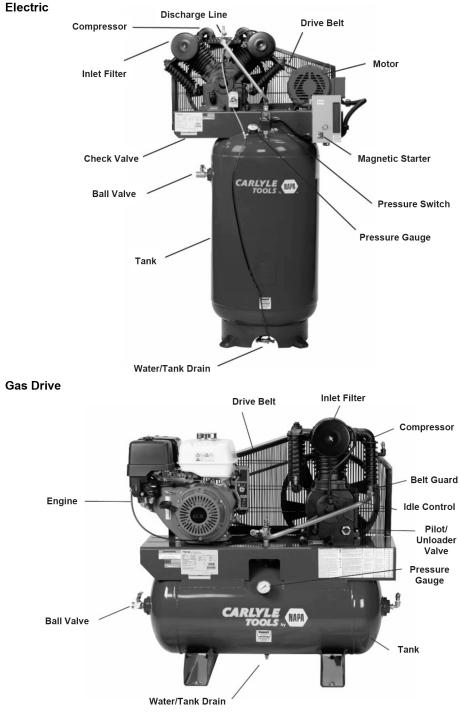
#### **Recommended Air Tank Inspection Intervals**

Volu	ume	Max Pr	essure	Discharge Conn.	Visually	Hydrostatically
Gal.	Liter	PSI	Bar	NPT	Inspect	Inspect
60V	228	170	11.7	1/2"	Annually	10 Years
80V	300	200	13.8	3/4"	Annually	10 Years
80H	300	200	13.8	3/4"	Annually	10 Years
80V	300	200	13.8	3/4"	Annually	10 Years
30H	114	200	13.8	3/4"	Annually	10 Years
120V	456	200	13.8	3/4"	Annually	10 Years
120H	456	200	13.8	3/4"	Annually	10 Years
120D	456	200	13.8	3/4"	Annually	10 Years
200D	760	200	13.8	3/4"	Annually	10 Years

The factory recommends that all air tanks be inspected at scheduled intervals. Refer to **Recommended Air Tank Inspection Intervals Table** for relative information.

# Refer to federal, state or provincial, or local codes for mandatory air tank maintenance information.

# PART IDENTIFICATION



#### Single Stage

enigie etage		
Part #	8090303432	8090303424
Model	89-4256VAT	89-4276VAT
Pump	4116091331	4116091333
NAPA Part #	-	-
Motor/Engine	1312100388	1312100390
NAPA Part #	1312100388	82-3500MA
Tank	2023106783	2023106783
Check Valve	1312101343	1312101343
NAPA Part #	-	-
Pressure Switch	1312100455	1312100455
NAPA Part #	82-775	82-775
Safety Valve	1312100005	1312100005
NAPA Part #	82-949	82-949
Pressure Gauge	1312100006	1312100006
NAPA Part #	1312100006	1312100006
Discharge Line	1312101151	1312101047
NAPA Part #	-	-
Discharge Compression Nut	2024903707	2024903707
Ball Valve	1312100162	1312100162
NAPA Part #	1312100162	1312100162
Inlet Filter	2236112735	2236112735
NAPA Part #	-	-
Tank Drain	1312100360	1312100360
NAPA Part #	1312100360	1312100360
Belt Guard	2236115371 / 2236115372	2236115371 / 2236115372
NAPA Part #	- / -	-/-
Drive Pulley	1312100439	1312101070
NAPA Part #	-	-
Drive Pulley Bushing	2014706741	1312100448
Drive Belt	1312101067	2024200316
NAPA Part #	-	-
Magnetic Starter (230V)	N/A	N/A
Magnetic Starter (460V)	N/A	N/A
Low Oil Level Switch	N/A	N/A
Auto Tank Drain	N/A	N/A

#### Two Stage

Part #	8090303556	8090303481
Model	89-346VAT	89-348NVAT
Pump	1609402496	1312100706
NAPA Part #	-	1312100706
Motor/Engine	2023000811	2023000868
NAPA Part #	-	82-5000MA
Tank	2023106749	2023106779
Check Valve	2023913311	1312100169
NAPA Part #	-	1312100169
Pressure Switch	2023738400	2023738467
NAPA Part #	82-777	-
Safety Valve	9710533300	9710533300
NAPA Part #	82-951	82-951
Pressure Gauge	2025065900	2025018507
NAPA Part #	82-516	82-516
Discharge Line	2023206102	1312101636
NAPA Part #	-	-
Discharge Compression Nut	2024904722	0607110140
Ball Valve	1312100162	1312100163
NAPA Part #	1312100162	1312100163
Inlet Filter	1129707745	1312100881
NAPA Part #	-	1312100881
Tank Drain	1312100360	1312100360
NAPA Part #	1312100360	1312100360
Belt Guard	2021115700	1312100982
NAPA Part #	-	-
Drive Pulley	1312100443	1312100714
NAPA Part #	-	1312100714
Drive Pulley Bushing	1312100449	1312100445
Drive Belt	2024200328	2024200423
NAPA Part #	-	-
Magnetic Starter (230V)	N/A	N/A
Magnetic Starter (460V)	N/A	N/A
Low Oil Level Switch	N/A	N/A
Auto Tank Drain	N/A	N/A

#### Premier

Part #	8090303440	8090303457	8090303499	8090303507	8090303515	8090303523	8090303531	8090303549
Model	89-309HBTP	89-309VBTP	89-348VBTP	89-378VBTP	89-378VATP	89-348VATP	89-368VBTP	89-368VATP
Pump	1312202700	1312202700	1312202800	1312202700	1312202700	1312202800	1312202800	1312202800
NAPA Part #	82-3011	82-3011	82-3049	82-3011	82-3011	82-3049	82-3049	82-3049
Motor/	1312101600	1312101600	1312101602	2023000928	2023000966	2023000868	1312101601	1312100400
Engine	82-1000MB	82-1000MB	82-5000MB	2023000928	82-7500MA	82-5000MA	82-7525MB	82-7525MA
NAPA Part #	62-1000IVID	62-1000IVID	62-3000IVID	-	62-7500IVIA	62-5000IVIA	62-1020IVID	62-7525IVIA
Tank	2023106776	2023106777	2023106780	2023106780	2023106780	2023106780	2023106779	2023106779
Check Valve	1312100172	1312100172	1312100171	1312100172	1312100172	1312100171	1312100169	1312100169
NAPA Part #	82-P7510	82-P7510	82-P7575	82-P7510	82-P7510	82-P7575	1312100169	1312100169
Pressure	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570	1312100570
Switch	82-780	82-780	82-780	82-780	82-780	82-780	82-780	82-780
NAPA Part #								
Safety Valve	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300	9710533300
NAPA Part #	82-951	82-951	82-951	82-951	82-951	82-951	82-951	82-951
Pressure	1312100378	1312100845	1312100845	1312100845	1312100845	1312100845	2025018507	2025018507
Gauge	82-513	82-516	82-516	82-516	82-516	82-516	82-516	82-516
NAPA Part #	02-010	02-010	02-010	02-010	02-010	02-010	02-010	02-010
Discharge	1312100717	1312100717	1312100719	1312100717	1312100717	1312100719	1312101636	1312101636
Line	1312100717	1312100717	1312100719	1312100717	1312100717	1312100719	-	-
NAPA Part #								
Discharge								
Compression	2024904730	2024904730	2014706649	2024904730	2024904730	2014706649	2014706649	2014706649
Nut								
Ball Valve NAPA Part #	1312100163 1312100163							
	1312100163	1312100163	1312100183	1312100163	1312100163	1312100183	1312100163	
Inlet Filter NAPA Part #	1312100881	1312100881	1312100881	1312100881	1312100881	1312100881	1312100881	1312100881 1312100881
Tank Drain	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
NAPA Part #	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360	1312100360
Belt Guard	1312204400	1312204400	1312204400	1312204400	1312204400	1312204400	1312100300	1312100300
NAPA Part #	1312204400	1312204400	82-052	82-052	82-052	82-052	1312100902	1312100902
Drive Pulley	1312100713	1312100713	1312100714	1312101819	1312101819	1312100714	1312100938	1312100938
NAPA Part #	1312100713	1312100713	1312100714	1312101019	1312101019	1312100714	1312100930	1312100930
Drive Pulley				-	-		_	-
Bushing	1312100446	1312100446	1312100445	1312100446	1312100446	1312100445	1312100445	1312100445
Drive Belt	1312100723	1312100723	1312100724	1312100724	1312100724	1312100724	1312100939	1312100939
NAPA Part #	82-035	82-035	82-034	82-034	82-034	82-034	1312100333	1312100333
Magnetic							_	-
Starter (230V)	1312101281	1312101281	1312101276	1312101278	1312101282	2023738481	1312101278	1312101282
Magnetic								
Starter (460V)								
Low Oil Level								
Switch	1312101285	1312101285	1312101285	1312101285	1312101285	1312101285	1312101285	1312101285
Auto Tank	1312100110	1312100110	1312100110	1312100110	1312100110	1312100110	1312100110	1312100110
Drain	1312100110	1312100110	1312100110	1312100110	1312100110	1312100110	1312100110	1312100110
Didili	1312100110	1312100110	1312100110	1312100110	1312100110	1312100110	1312100110	1012100110

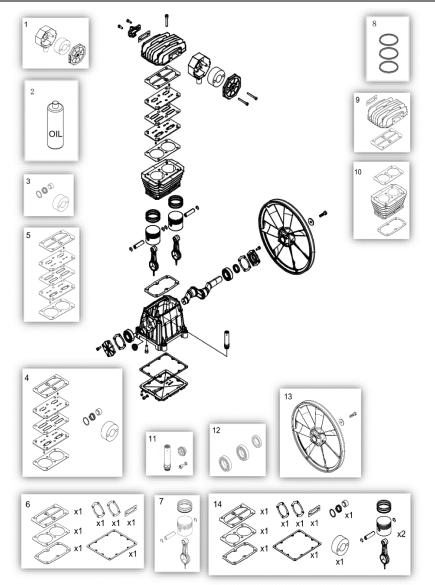
#### **Duplex Premier**

Part #	8090303564	8090303572	8090303580	8090303598
Model	89-2349HATP	89-2379HATP	89-2379HBTP	89-2309HBTP
Pump	1312202800	1312202700	1312202700	1312202700
NAPA Part #	82-3049	82-3011	82-3011 2023000928	82-3011
Motor/Engine NAPA Part #	2023000868 82-5000MA	2023000966 82-7500MA	2023000928	1312101600 82-1000MB
Tank	2023106781	2023106781	2023106781	2023106781
Check Valve	1312100171/1312100009	1312100172/1312100009	1312100172/1312100009	1312100172/1312100009
NAPA Part #	82-P7575 /-	82-P7510 /-	82-P7510 /-	82-P7510 /-
Pressure Switch	1312100570	1312100570	1312100570	1312100570
NAPA Part # Safety Valve	82-780 9710533300	82-780 9710533300	82-780 9710533300	82-780 9710533300
NAPA Part #	82-951	82-951	82-951	82-951
Pressure Gauge	1312100845	1312100845	1312100845	1312100845
NAPA Part #	82-516	82-516	82-516	82-516
Discharge Line NAPA Part #	1312100719/1312100716 1312100719/1312100716	1312100717 1312100717	1312100717 1312100717	1312100717 1312100717
Discharge Compression Nut	2014706649	2024904730	2024904730	2024904730
Ball Valve	1312100163	1312100163	1312100163	1312100163
NAPA Part #	1312100163	1312100163	1312100163	1312100163
Inlet Filter	1312100881	1312100881	1312100881	1312100881
NAPA Part #	1312100881	1312100881	1312100881	1312100881
Tank Drain NAPA Part #	1312100360 1312100360	1312100360 1312100360	1312100360 1312100360	1312100360 1312100360
Belt Guard	1312204400	1312204400/1312204300	1312204400/1312204300	1312204400/1312204300
NAPA Part # Drive Pullev	82-052 1312100714	82-052 / 82-051 1312101819	82-052 / 82-051 1312101819	82-052 / 82-051 1312100713
NAPA Part #	1312100714	-	-	1312100713
Drive Pulley Bushing	1312100445	1312100446	1312100446	1312100446
Drive Belt	1312100724	1312100724	1312100724	1312100723
NAPA Part #	82-034	82-034	82-034	82-035
Magnetic Starter (230V) Magnetic Starter (460V)	1312101187	1312101187	1312101187	1312101187
	1312101285	1312101285	1312101285	1312101285
Low Oil Level Switch	1312101285 1312100110	1312101285 1312100110	1312101285 1312100110	1312101285 1312100110
Low Oil Level Switch	1312100110	1312100110	1312100110	1312100110
Low Oil Level Switch Auto Tank Drain	1312100110 1312100110	1312100110 1312100110	1312100110 1312100110	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700	1312100110 1312100110 8090303614 89-2300HBTP 1312202700	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part #	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100172/1312100009	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part #	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100172/1312100009 82-P7510/-	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/-	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/-	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100172/1312100009	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Safety Valve	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300	1312100110 1312100110 8090303622 88-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Safety Valve NAPA Part #	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100570 82-P7510 /- 1312100570 82-780 9710533300 82-951	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Safety Valve NAPA Part # Pressure Gauge	1312100110 1312100110 8090303606 88-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100770 82-7510/- 1312100570 82-780 9710533300 82-951 1312100845	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510/- 1312100570 82-780 9710533300 82-951 1312100845	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510/- 1312100570 82-780 9710533300 82-951 1312100845	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part #	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100172/131210009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516	1312100110 1312100110 8090303614 88-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516	1312100110 1312100110 8090303622 88-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Safety Valve NAPA Part # Pressure Gauge	1312100110 1312100110 8090303606 88-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100770 82-7510/- 1312100570 82-780 9710533300 82-951 1312100845	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510/- 1312100570 82-780 9710533300 82-951 1312100845	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510/- 1312100570 82-780 9710533300 82-951 1312100845	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Pressure Gauge NAPA Part # Discharge Line NAPA Part # Discharge Compression	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 131210077 82-77510 /- 1312100770 82-780 9710533300 82-951 1312100845 82-516 1312100717	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 131210077 82-77510 /- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100717	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510 1312100770 82-780 9710533300 82-951 1312100845 82-516 1312100777	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3001 1312101600 82-1000MB 2023106781 1312100172/131210009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100717 1312100717 2024904730 1312100163	1312100110 1312100110 8090303614 88-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100717 1312100717 2024904730 1312100163	1312100110 1312100110 8090303622 88-3300HBT46P 1312202700 82-3001 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100717 1312100717 2024904730 1312100163	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve NAPA Part #	1312100110 1312100110 8090303606 88-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 131210070 82-7510./ 1312100070 82-750 97710533300 82-951 1312100845 82-516 1312100717 1312100717 2024904730 1312100163 1312100163	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100707 13121000770 82-780 9710533300 82-951 1312100845 82-516 1312100845 82-516 1312100717 2024904730 1312100163 1312100163	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-30011 1312101600 82-1000MB 2023106782 1312100700 82-7510./ 131210009 82-951 31312100845 82-516 1312100845 82-516 1312100717 2024904730 1312100163 1312100163	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Discharge Compression NAPA Part # Discharge Compression Nut Ball Valve	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3001 1312101600 82-1000MB 2023106781 1312100172/131210009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100717 1312100717 2024904730 1312100163	1312100110 1312100110 8090303614 88-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100717 1312100717 2024904730 1312100163	1312100110 1312100110 8090303622 88-3300HBT46P 1312202700 82-3001 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100717 1312100717 2024904730 1312100163	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Iniet Filter NAPA Part #	1312100110 1312100110 8090303606 88-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 131210077 82-780 9710533300 82-951 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 131210072/131210009 82-P7510./- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 13121007183 1312100845 1312100183	1312100110 1312100110 8090303622 88-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 131210072/1312100009 82-P7510/- 1312100570 82-751 1312100570 82-951 1312100845 82-516 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717 1312100717	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Switch NAPA Part # Discharge Line NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Part # Discharge Part # Discharge Apart # Discharge Part # Discharge Apart # Discharge Part	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3001 1312101600 82-1000MB 2023106781 1312100172/1312100009 82-79510/- 1312100570 82-780 9710533300 82-951 1312100570 82-951 1312100570 82-951 1312100717 1312100717 1312100717 1312100717 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100788 1312100780 1312100380	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-7951 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100717 1312100717 1312100717 1312100717 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100718 1312100780 1312100360	1312100110 1312100110 8090303622 88-2300HBT46P 1312202700 82-3001 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100717 1312100717 2024904730 1312100163 1312100163 1312100163 1312100163 1312100881 1312100881 1312100360	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Switch NAPA Part # Discharge Line NAPA Part # Discharge Compression NUT Ball Valve NAPA Part # Discharge Compression NUT Ball Valve NAPA Part # Discharge Compression NUT Ball Valve NAPA Part # Discharge Part #	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100747 1312100747 1312100747 1312100745 82-516 1312100747 1312100745 131200745 13120075 13120075 1	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100845 82-516 1312100717 1312100717 1312100717 1312100717 1312100718 1312100718 1312100881 1312100881 1312100880 131220440730	1312100110 1312100110 8090303622 88-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100172/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100747 1312100747 1312100747 1312100745 1312100745 1312100745 1312100745 1312100745 1312100745 1312100745 1312100745 1312100745 1312100881 1312100881 1312100880 1312204400/1312204300 82-052 / 82-051	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Caura	1312100110 1312100110 8090303606 88-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 131210070 82-7510 131210070 82-7510 1312100845 82-516 1312100717 1312100717 2024904730 1312100163 1312100163 1312100168 1312100881 1312100360 13122100360 13122100360	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 131210074078 82-9510 1312100845 82-951 1312100845 82-516 1312100717 2024904730 1312100163 1312100163 13121001881 1312100881 1312100360 13122100360 13122100360 13122100360	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510 82-750 9710533300 82-951 1312100845 82-516 1312100845 82-516 1312100717 2024904730 1312100163 1312100163 13121001881 1312100881 1312100360 13122100360 13122100360	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Apart # Discharge Apart # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Derive NAPA Part #	1312100110 1312100110 8090303606 88-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 131210070 1312100707 1312100845 82-516 1312100717 2024904730 1312100163 1312100163 1312100163 1312100163 1312100163 1312100881 1312100881 1312100360 1312200360 1312200360 1312200360 1312200360	1312100110 1312100110 8090303614 89-2300HBTP 1312002700 82-3011 1312101600 82-000MB 2023106782 1312100770 82-780 9710533300 82-951 1312100845 82-516 1312100845 82-516 1312100717 2024904730 1312100163 1312100163 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 131210080 1312200400773 1312100773 131200775 131200775 131200775 131200775 131200775 131200775	1312100110 1312100110 8090303622 89-2300HBT46P 131202700 82-3011 1312101600 82-1000MB 2023106782 1312100707 82-780 9710533300 82-951 1312100845 82-516 1312100717 2024904730 1312100163 1312100163 1312100881 131210881	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Calve NAPA Part # Drive Pulley NAPA Part # Drive Pulley NAPA Part # Drive Pulley Ushing Drive Belt	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 131210070 82-7510 82-750 82-750 9710533300 82-951 1312100745 82-516 1312100747 1312100747 1312100743 1312100768 1312100881 1312100881 1312100881 1312100360 13122040007132 1312100713 1312100713 1312100713 1312100723	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510 82-750 82-750 9710533300 82-951 1312100845 82-516 1312100845 82-516 1312100717 2024904730 1312100163 1312100163 1312100163 1312100881 1312100881 1312100360 13122100360 131221004007132204300 82-052/82-051 1312100713 1312100713 1312100713 1312100713 1312100723	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510 131210070 82-951 1312100845 82-516 1312100845 82-516 1312100717 1312100717 1312100713 13121007881 13121007881 13121007881 1312100780 1312100780 1312100780 1312100780 1312100780 1312100713 1312100713 1312100713 1312100713 1312100723	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Switch NAPA Part # Discharge Line NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Apart # Discharge Part # Dirve Pulley Bushing Drive Belt NAPA Part #	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100172/1312100009 82-P510/- 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100747 1312100745 82-516 1312100747 1312100183 1312100183 1312100183 1312100881 1312100881 1312100881 1312100881 1312100360 1312204903 1312100713 1312100748 131210748 1312107	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100772/1312100009 82-P510/- 1312100570 82-780 9710533300 82-951 1312100577 82-516 1312100747 1312100747 1312100743 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100881 1312100713 1312100713 1312100748 82-051	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3001HBT46P 1312101600 82-1000MB 2023106782 13121007721312100009 82-P510/- 1312100570 82-780 9710533300 82-951 1312100577 82-516 1312100747 1312100747 1312100163 1312100163 1312100163 1312100163 1312100881 1312100881 1312100881 1312100881 1312100360 13122044001312204300 82-052 82-051 1312100743 1312100743 1312100748 131210748 1312107	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Pressure Gauge NAPA Part # Discharge Compression NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Pulley NAPA Part # Drive Pulley NAPA Part # Drive Pulley NAPA Part # Drive Pulley Bushing Drive Belt NAPA Part # Magnetic Starter (230V)	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 131210070 82-7510 82-750 82-750 9710533300 82-951 1312100745 82-516 1312100747 1312100747 1312100743 1312100768 1312100881 1312100881 1312100881 1312100360 13122040007132 1312100713 1312100713 1312100713 1312100723	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510 82-750 82-750 9710533300 82-951 1312100845 82-516 1312100845 82-516 1312100717 2024904730 1312100163 1312100163 1312100163 1312100881 1312100881 1312100360 13122100360 131221004007132204300 82-052/82-051 1312100713 1312100713 1312100713 1312100713 1312100723	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100770 82-7510 131210070 82-951 1312100845 82-516 1312100845 82-516 1312100717 1312100717 1312100713 13121007881 13121007881 13121007881 1312100780 1312100780 1312100780 1312100780 1312100780 1312100713 1312100713 1312100713 1312100713 1312100723	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Switch NAPA Part # Discharge Line NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Dirve Pulley NAPA Part # Drive Pulley NAPA Part # Drive Pulley NAPA Part # MapA Part # Magnetic Starter (230V)	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100772/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100717 1312100717 1312100717 1312100717 13121007183 1312100718 1312100183 1312100183 1312100183 1312100881 1312100881 1312100713 1312100713 1312100713 1312100713 1312100723 82-035 13122100723 82-035	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 131210072/131210009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100717 1312100717 1312100717 1312100717 1312100718 1312100163 1312100163 1312100163 1312100163 1312100163 1312100163 1312100163 1312100163 1312100881 1312100881 1312100713 1312100713 1312100713 1312100713 1312100713 1312100723 82-035	1312100110 1312100110 8090303622 88-2300HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106782 131210072/1312100009 82-P7510/- 1312100570 82-780 9710533300 82-951 1312100845 82-516 1312100717 1312100717 1312100717 1312100717 13121007183 1312100163 1312100163 1312100163 1312100163 1312100163 1312100163 1312100163 1312100163 1312100881 1312100881 1312100713 1312100713 1312100713 1312100713 1312100723 82-035 13122101192	1312100110
Low Oil Level Switch Auto Tank Drain Part # Model Pump NAPA Part # Motor/Engine NAPA Part # Tank Check Valve NAPA Part # Pressure Switch NAPA Part # Pressure Gauge NAPA Part # Pressure Gauge NAPA Part # Discharge Compression NAPA Part # Discharge Compression NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Compression Nut Ball Valve NAPA Part # Discharge Putley NAPA Part # Drive Putley Sushing Drive Belt NAPA Part # Drive Belt NAPA Part # Drive Belt NAPA Part # Drive Belt NAPA Part # Magnetic Starter (230V)	1312100110 1312100110 8090303606 89-2309HBT46P 1312202700 82-3011 1312101600 82-1000MB 2023106781 1312100172/1312100009 82-P510/- 1312100570 82-780 9710533300 82-951 1312100570 82-516 1312100747 1312100745 82-516 1312100747 1312100183 1312100183 1312100183 1312100881 1312100881 1312100881 1312100881 1312100360 1312204903 1312100713 1312100748 131210748 1312107	1312100110 1312100110 8090303614 89-2300HBTP 1312202700 82-3011 1312101600 82-1000MB 2023106782 1312100772/1312100009 82-P510/- 1312100570 82-780 9710533300 82-951 1312100577 82-516 1312100747 1312100747 1312100745 82-516 1312100747 1312100163 1312100163 1312100881 1312100881 1312100881 1312100881 1312100360 1312204400/1312204300 82-052 / 82-051 1312100743 1312100743 1312100748 131210748 131	1312100110 1312100110 8090303622 89-2300HBT46P 1312202700 82-3001HBT46P 1312101600 82-1000MB 2023106782 13121007721312100009 82-P510/- 1312100570 82-780 9710533300 82-951 1312100577 82-516 1312100747 1312100747 1312100163 1312100163 1312100163 1312100163 1312100881 1312100881 1312100881 1312100881 1312100360 13122044001312204300 82-052 82-051 1312100743 1312100743 1312100748 131210748 1312107	1312100110

#### Gas

585		
Part #	8090303465	8090303473
Model	89-1633GT	89-1333GTH
Pump	1312202700	1312202800
NAPA Part #	82-3011	82-3049
Motor/Engine	1312100731	1312100224
NAPA Part #	82-022	-
Tank	2023106778	2023106778
Check Valve	1312100497	1312100497
NAPA Part #	-	-
Pressure Switch	N/A	N/A
NAPA Part #	N/A	IN/A
Safety Valve	9710533300	9710533300
NAPA Part #	82-951	82-951
Pressure Gauge	1312100378	1312100378
NAPA Part #	82-513	82-513
Discharge Line	1312100720	1312100716
NAPA Part #	-	1312100716
Discharge Compression Nut	1312100371	1312100371
Ball Valve	1312100162	1312100162
NAPA Part #	1312100162	1312100162
Inlet Filter	1312100881	1312100881
NAPA Part #	1312100881	1312100881
Tank Drain	1312100360	1312100360
NAPA Part #	1312100360	1312100360
Belt Guard	1312204300	1312204300
NAPA Part #	82-051	82-051
Drive Pulley	1312100711	1312100711
NAPA Part #	1312100711	1312100711
Drive Pulley Bushing	2024222605	2024222605
Drive Belt	2024200435	1312100721
NAPA Part #	-	82-033
Magnetic Starter (230V)	N/A	N/A
Magnetic Starter (460V)	N/A	N/A
Low Oil Level Switch	N/A	N/A
Auto Tank Drain	N/A	N/A

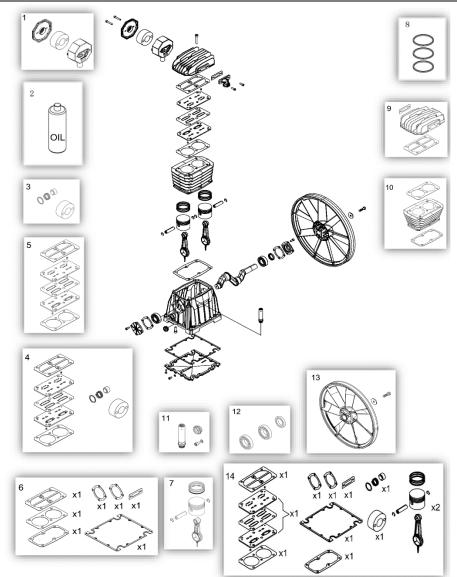
Compressor Pump 4116091336 (PAT24)



Item Number	Description	Part Numbers			
	Regular Maintenance Parts and Kits				
1	Complete Air filter including filter element	2236112735			
2	Oil Atlair 150	1630054300			
	Preventive Maintenance Kits				
3	e-kit PAT24	1129706362			
4	Performance Kit PAT24	1129706367			
5	Valve Plate Kit	2236112518			
6	Gasket Kit	1129706287			
7	Piston Kit	2236111619			

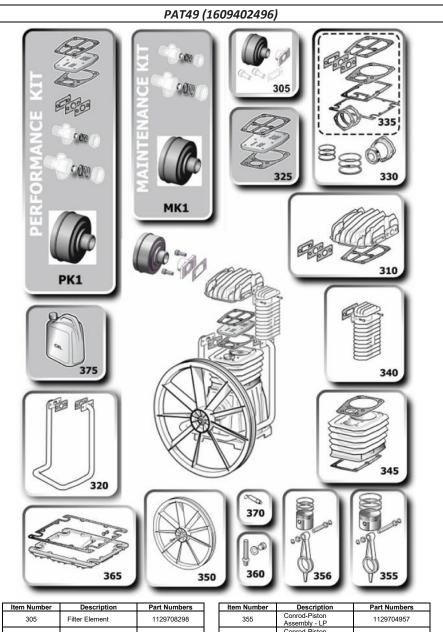
Item Number	Description	Part Numbers		
Preventive Maintenance Kits (Continued)				
8	Piston Rings Kit	1129705098		
	Repairing Kits and Pa	arts		
9	Head Kit	2901325044		
10	Cylinder Kit	2236112434		
11	Oil Kit	1129706370		
12	Bearing Kit	1129706373		
13	Flywheel Kit	1129707385		
14	Heavy-Duty Kit PAT24	1129706372		

Compressor Pump 4116091337 (PAT38)



Item Number	Description	Part Numbers			
	Regular Maintenance Parts and Kits				
1	Complete Air filter including filter element	2236112735			
2	Oil	2901160600			
	Preventive Maintenance Kits				
3	500h e-kit PAT38	1129706368			
4	1000h Performance Kit PAT38	1129706371			
5	Valve Plate Kit	2236112518			
6	Gasket Kit	1129706288			
7	Piston Kit	2236111620			

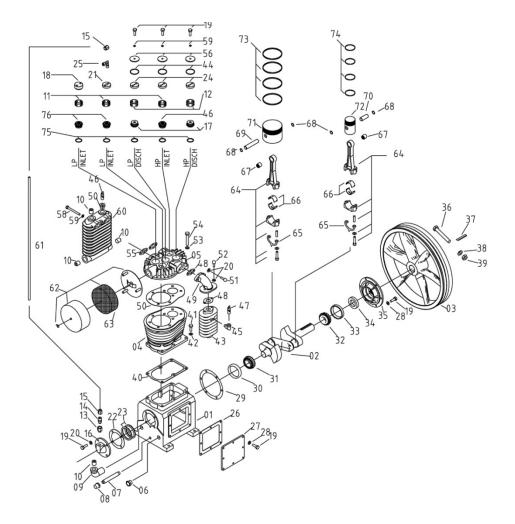
Item Number	Description	Part Numbers				
Preve	Preventive Maintenance Kits (Continued)					
8	Piston Rings Kit	1129705098				
	Repairing Kits and Parts					
9	Head Kit	1129706482				
10	Cylinder Kit	2236112435				
11	Oil Kit	1129706370				
12	Bearing Kit	1129706373				
13	Flywheel Kit	1129706483				
14	2000h Heavy-Duty Kit PAT38	1129706369				



305	Filter Element	1129708298
310	Cylinder Head Kit	2901320419
320	Intercooler Kit	2901320421
325	Valve Plate Kit	2236113917
330	Bearing and Ring Overhaul Kit	2901320420
335	Gasket Kit	8973037937
340	Aftercooler Kit	2236112794
345	Cylinder Asembly	2236113914
350	Flywheel Kit	2901325050

Item Number	Description	Part Numbers
355	Conrod-Piston Assembly - LP	1129704957
356	Conrod-Piston Assembly - HP	1129704958
360	Oil Level Kit	2901325049
365	Crankcase Bottom Kit	2236112438
370	100 PSI Safety Valve Kit	1127190235
375	Oil	6215716300
MK1	Maintenance Kit	8973037941
PK1	Performance Kit	8973037939

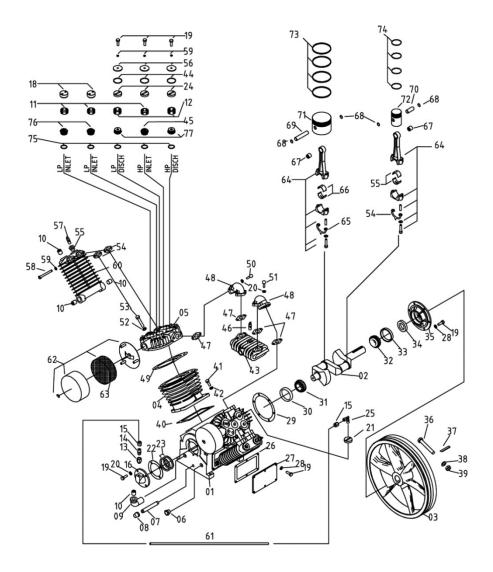
#### CA1 (1312202800/1312100706)



#### CA1 (1312202800) (Continued)

Item	Description	Qty	Part #
1	Crankcase	1	1312100876
2	Crank Shaft	1	1312100932
3	Fly Wheel	1	1312100884
4	Cylinder	1	1312100880
5	Head	1	1312100878
6	Oil Sight Glass	1	1312100903
7	Oil Drain Pipe	1	1312100859
8	Oil Drain Pipe Cap	1	1312100861
9	Oil Fill Elbow	1	1312100933
10	Plug	4	1312100866
11	Spacer - Inlet Valve	2	1312100893
12	Spacer Discharge Valve	3	1312100894
13	Breather Body	1	1312100934
14	Copper Connector	1	1312100860
15	Copper Nut	2	1312100856
16	Cover-Centrifugal Unloader	1	1312100899
17	Valve Assy HP/LP Discharge	2	1312100892
18	Retainer Inlet Valve	1	1312100898
19	Capscrew-Hex M8x25	21	0147132503
20	Lockwasher 8	8	0333222500
21	Retainer Inlet Valve	1	1312100895
22	Gasket Rear Cap	1	1312100920
23.1	Shim 0.20 Brg. Adj.	1	1312100930
23.2	Shim 0.10 Brg. Adj.	2	1312100929
24	Retainer Discharge Valve	3	1312100896
25	Copper Elbow	1	1312100857
26	Gasket Side Cover	1	1312100916
27	Cover Crankcase Side	1	1312100858
28	Copper Gasket	14	1312100921
29	Gasket Front Cap	1	1312100915
30	Bearing Cap Rear	1	1312100909
31	Bearing Cone Rear	1	1312100908
32	Bearing Cone Front	1	1312100906
33	Bearing Cap Front	1	1312100907
34	Seal-Shaft	1	1312100911
35	Cap Front	1	1312100868
36	Capscrew-Hex M16x120	1	0147149203
37	Key Fly Wheel C1	1	1312100928
38	Lockwasher 16	1	0333224300
39	Nut - Hex M16	1	0261111403
40	Gasket - Cylinder to Crankcase	1	1312100914

Item	Description	Qty	Part #
41	Capscrew-Hex M10x30	6	0147136303
42	Copper Gasket 10	6	1312100923
43	Aftercooler	1	1312100875
44	Gasket Valve Cover	3	1312100919
45	Elbow - Street	2	1312100865
46	Valve Assy HP Inlet	1	1312100891
47	Safety Valve 250 psi	1	1312100862
48	Gasket Aftercooler	2	1312100918
49	Elbow Aftercooler	1	1312100873
50	Gasket - Cylinder Head	1	1312100913
51	Capscrew - Skt HD M8x30	2	0211132603
52	Capscrew - Skt HD M8x25	2	0211132503
53	Lockwasher 12	8	0333223600
54	Capscrew-Hex M12x70	8	0147140903
55	Gasket Intercooler	2	1312100927
56	Cover Valve	3	1312100897
57	Safety Valve 75 psi	1	1312100889
58	Capscrew-Hex M8x90	4	0147133803
59	Copper Gasket B8	7	1312100924
60	Intercooler	1	1312100871
61	Aluminum Tube 10x380	1	1312100863
62	Filter Inlet Assembly	1	1312100881
63	Filter Replacement Element	1	FE001
64	Connecting Rod	2	1312100869
65	Dipper-Oil	2	1312100870
66	Insert Half	4	1312100905
67	Bearing- Wrist Pin Needle	2	1312100910
68	Snap Ring - Internal	4	1312100867
69	Wrist Pin LP Piston	1	1312100901
70	Wrist Pin HP Piston	1	1312100902
71	Piston-LP	1	1312100887
72	Piston-HP	1	1312100888
73	Piston Ring Set- LP	1	1312100885
74	Piston Ring Set- HP	1	1312100886
75	Copper Gasket - Valve Seat	5	1312100922
76	Valve Assembly-LP Inlet	2	1312100890
77	Bushing 3/4 x 1-1/4"	1	1312100334
	Gasket Set		1312100925
	Head Rebuild Kit		1312100780
	Overhaul Kit		1312100775



#### CA2 (1312202700) (Continued)

Item	Description	Qty	Part #
1	Crankcase	1	1312100877
2	Crank Shaft	1	1312100931
3	Fly Wheel	1	1312100883
4	Cylinder	1	1312100880
5	Head (Left)	1	1312100878
	Head (Right)	1	1312100879
6	Oil Sight Glass	1	1312100903
7	Oil Drain Pipe	1	1312100859
8	Oil Drain Pipe Cap	1	1312100861
9	Oil Fill Elbow	1	1312100933
10	Plug	4	1312100866
11	Spacer - Inlet Valve	2	1312100893
12	Spacer Discharge Valve	3	1312100894
13	Breather Body	1	1312100934
14	Copper Connector	1	1312100860
15	Copper Nut	2	1312100856
16	Cover-Centrifugal Unloader	1	1312100899
18	Retainer Inlet Valve	4	1312100898
19	Capscrew-Hex M8x25	28	0147132503
20	Lockwasher 8	8	0333222500
21	Retainer Inlet Valve	2	1312100895
22	Gasket Rear Cap	1	1312100920
23.1	Shim 0.20 Brg. Adj.	1	1312100930
23.2	Shim 0.10 Brg. Adj.	2	1312100929
24	Retainer Discharge Valve	4	1312100896
25	Copper Elbow	1	1312100857
26	Gasket Side Cover	2	1312100917
27	Cover Crankcase Side	2	1312100904
28	Copper Gasket	26	1312100921
29	Gasket Front Cap	1	1312100915
30	Bearing Cap Rear	1	1312100909
31	Bearing Cone Rear	1	1312100908
32	Bearing Cone Front	1	1312100906
33	Bearing Cap Front	1	1312100907
34	Seal-Shaft	1	1312100911
35	Cap Front	1	1312100868
36	Capscrew-Hex M16x120	1	0147149203
37	Key Fly Wheel C1	1	1312100928
38	Lockwasher 16	1	0333224300
39	Nut - Hex M16	1	0261111403
40	Gasket - Cylinder to Crankcase	1	1312100914
41	Capscrew-Hex M10x30	12	0147136303
42	Copper Gasket 10	12	1312100923

Item	Description	Qty	Part #
43	Aftercooler	1	1312100874
44	Gasket Valve Cover	6	1312100919
45	Valve Assy HP Inlet	2	1312100891
46	Safety Valve 250 psi	1	1312100862
47	Gasket Aftercooler	4	1312100918
48	Elbow Aftercooler	2	1312100872
49	Gasket - Cylinder Head	2	1312100913
50	Capscrew - Skt HD M8x30	4	0211132603
51	Capscrew - Skt HD M8x25	4	0211132503
52	Lockwasher 12	16	0333223600
53	Capscrew-Hex M12x70	16	0147140903
54	Gasket Intercooler	4	1312100927
55	Reducing Bushing	2	1312100864
56	Cover Valve	6	1312100897
57	Safety Valve 75 psi	2	1312100889
58	Capscrew-Hex M8x90	8	0147140903
59	Copper Gasket B8	14	1312100924
60	Intercooler	2	1312100871
61	Aluminum Tube 10x380	1	1312100863
62	Filter Inlet Assembly	2	1312100881
63	Filter Replacement Element	2	FE001
64	Connecting Rod	4	1312100869
65	Dipper-Oil	4	1312100870
66	Insert Half	8	1312100905
67	Bearing- Wrist Pin Needle	4	1312100910
68	Snap Ring - Internal	8	1312100867
69	Wrist Pin LP Piston	2	1312100901
70	Wrist Pin HP Piston	2	1312100902
71	Piston-LP	2	1312100887
72	Piston-HP	2	1312100888
73	Piston Ring Set- LP	2	1312100885
74	Piston Ring Set- HP	2	1312100886
75	Copper Gasket - Valve Seat	10	1312100922
76	Valve Assembly-LP Inlet	4	1312100890
77	Valve Assembly HP/LP	4	1312100334
	Gasket Set	1	1312100926
	Head Rebuild Kit		1312100781
	Overhaul Kit		1312100776

# WARRANTY STATEMENT

The Company warrants that the Equipment manufactured by it and delivered hereunder shall be free from defects in material and workmanship for a period of twelve (12) months from the date of initial start-up, or eighteen (18) months from the date of shipment from the manufacturer, whichever occurs first. The foregoing warranty period shall apply to all Equipment, except for the following: (A) All two stage reciprocating stationary models are warranted for the earlier of twenty-four (24) months from the date of initial operation or thirty (30) months from date of shipment from the manufacturer. (B) Replacement parts will be warranted for three (3) months from the date of shipment from the manufacturer. Should the failure to conform to this warranty be reported in writing to the Company within said period, the Company shall, at its option, correct such non-conformity by suitable repair to such Equipment, or furnish a replacement part F.O.B point of shipment, provided that the Purchaser has installed, maintained, and operated such Equipment in accordance with good industry practices, and has complied with specific recommendations of the Company. Accessories and equipment furnished by the Company, but manufactured by others, shall carry whatever warranty the manufacturer conveyed to the Company and which can be passed on to the Purchaser. The Company shall not be liable for any repairs, replacements, or adjustments to the Equipment, or any costs of labor performed by the Purchaser without the Company's prior written approval.

The Company makes no performance warranty unless specifically stated within its proposal, and the effects of corrosion, erosion, and normal wear and tear are specifically excluded from the Company's warranty. In the event performance warranties are expressly included, the Company's obligation shall be to correct in the manner and for the period of time provided above.

THE COMPANY MAKES NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED. THIS WARRANTY SUPERSEDES ALL PREVIOUS WARRANTY STATEMENTS.

Correction by the Company of non-conformities, whether patent or latent, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of the Company and its distributors for such non-conformities with respect to, or arising out of such Equipment.

#### LIMITATION OF LIABILITY

THE REMEDIES OF THE PURCHASER SET FORTH HEREIN ARE EXCLUSIVE, AND THE TOTAL LIABILITY OF THE COMPANY, ITS DISTRIBUTORS AND SUPPLIERS WITH RESPECT TO CONTRACT OR THE EQUIPMENT AND SERVICES FURNISHED IN CONNECTION WITH THE PERFORMANCE OR BREACH THEREOF, OR FROM THE MANUFACTURE, SALE, DELIVERY, INSTALLATION, REPAIR OR TECHNICAL DIRECTION COVERED OR FURNISHED UNDER CONTRACT, WHETHER BASED ON CONTRACT, WARRANTY, NEGLIGENCE, INDEMNITY, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE OF THE EQUIPMENT UPON WHICH SUCH LIABILITY IS BASED.

THE COMPANY, ITS DISTRIBUTORS AND ITS SUPPLIERS SHALL IN NO EVENT BE LIABLE TO THE PURCHASER, ANY SUCCESSORS IN INTEREST, OR ANY BENEFICIARY OR ASSIGNEE OF THE CONTRACT FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL OR PUNITIVE DAMAGES ARISING OUT OF THIS CONTRACT OR ANY BREACH THEREOF, OR ANY DEFECT IN, OR FAILURE OF, OR MALFUNCTION OF THE EQUIPMENT, WHETHER OR NOT BASED ON LOSS OF USE, LOST PROFITS OR REVENUE, INTEREST, LOST GOODWILL, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, LOSS BY REASON OF SHUTDOWN OR NON-OPERATION, COST OF PURCHASE OF REPLACEMENT POWER, OR CLAIMS OF PURCHASER OR CUSTOMERS OF PURCHASER FOR SERVICE INTERRUPTION, WHETHER OR NOT SUCH LOSS OR DAMAGE IS BASED ON CONTRACT, WARRANTY, NEGLIGENCE, INDEMNITY, STRICT LIABILITY OR OTHERWISE.

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