

Models:

824254PGT 824254PGTH 82808PGT 82808PGTH

82356VAT 82358VAT 82823GTH 82368VAT 821023GT 821023GTH 821330GTK



Service and Support: 866-869-3114

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Warranty Statement

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.



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



WARNING

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



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

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.

- 1. 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 (See "Maintaining Your Compressor" section).

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.
- 2. 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.
- 3. 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 secured to the floor before operating to prevent equipment damage, injury or death. The compressor must be mounted on vibration pads. **Do Not** tighten bolts completely as this may cause stress to the tank welds.

To reduce the risk of a dangerous environment

- 1. Keep work area well lit.
- 2. Operate compressor in a well-ventilated area free from flammable liquids and vapors.
- 3. 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.
- 4. Never use a compressor in a wet environment.
- 5. 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

<u>Do Not</u> secure compressor with toggle bolts into drywall. Drywall sheeting or plaster will not support the weight of the compressor.

- 6. A minimum clearance of 18 inches between the compressor and a wall is required because objects could obstruct airflow.
- 7. The compressor should be located where it can be directly wired to a circuit breaker. The compressor 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.

WARNING

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

CAUTION

Never use the shipping skid for mounting the compressor.



NOTICE

This compressor is not intended for outdoor installation.

WARNING

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

Note:

Tank Outlet Size: Contractor Models 3/8" 60 Gallon Models 1/2" 80 Gallon Models 3/4"

Before each use

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.

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. <u>Do Not</u> use if defect is found.
- Check hoses for weak or worn condition before each use, making certain all connections are secure. <u>Do Not</u> use if a defect is found.

Page 2

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.
- 3. Protect wires from contact with sharp objects.

CAUTION

All electrical connections should be made by a qualified electrician.

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.

WARNING

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

WARNING

Never operate the compressor without a beltguard. 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.
- 3. If the equipment starts to abnormally vibrate, STOP the compressor immediately and check for the cause.

WARNING

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

\wedge

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. <u>Do Not</u> spray in the vicinity of open flames or other places where a spark can cause ignition. <u>Do Not</u> smoke when spraying paint, insecticides, or other flammable substances.

Be informed about the materials you use

- 1. 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.
- 2. If the material you intend to spray contains trichloreoethane 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.
- 2. 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. Always replace worn, cracked or damaged tanks.

3. Clean electrical equipment with an approved cleaning agent, such as a dry, non-flam-mable cleaning solvent.

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.

- 4. Drain tanks of moisture after each day's use. If unit will not be used for awhile, 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-ofsight, 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. Slightly open drain cock after shutting off compressor.

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 $\frac{1}{2}$ in 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 non-detergent oil should be used **Part # 82-6020**.

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 impurity 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 gualified 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.



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.



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



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

For Models With **Magnetic Starter**

DO NOT MAKE CONNECTION AT PRESSURE SWITCH

Ground

STARTING THE COMPRESSOR

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

Crankcase oil - Make sure the sight glass shows $\frac{1}{2}$ 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. Note: Max Pressure Single Stage = 130 psi, 60 Gallon 2 Stage = 165 psi, 80 Gallon 2 Stage = 175 psi

CAUTION

Make sure the pressure in the tank does not exceed its rating. Maximum of 175 psi. If the pressure gauge indicates a pressure that is higher than these maximum pressures, shut off compressor immediately and call 866-869-3114.

(Gas Drive Models)

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

CONTRACTOR MODELS INCLUDE A MANUAL UNLOADER. AIR PRESSURE SHOULD BE RELIEVED PRIOR TO STARTING. OPEN PET COCK ON UNLOADER TO RELIEVE ANY AIR PRESSURE. (See Image Below)



NAPA GASOLINE DRIVEN COMPRESSORS (30 GALLON) ARE EQUIPPED WITH A COLD START VALVE FOR LOADLESS STARTS. THERE IS NO NEED TO MANUALLY UNLOAD AIR PRESSURE.

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.
- 2. 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



TROUBLESHOOTING GUIDE					
Low discharge pressure	 Compressor too small for application Air leaks Restricted intake air Blown gasket(s) Broken or misaligned valves 	 Reduce air demand or use a compressor with more air capacity. 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. Clean or replace air filter. Replace necessary gaskets. Remove head and inspect for broken or misaligned valves. Replace valves, if necessary. Install a new head gasket each time head is removed 			
Excessive noise "knocking"	 Loose drive pulley or flywheel Low on oil Worn connecting rod or connecting rod bearing Noisy check valve 	 Tighten drive pulley or flywheel bolt. Check for proper oil level. Low or dirty oil may cause bearing damage. Replace connecting rod and/or connecting rod bearings. Replace check valve. DANGER Do not remove check valve with air pressure in tank 			
Excessive oil carryover	 Worn piston rings Restricted intake air Too much oil in compressor Incorrect oil viscosity 	 Replace with new piston rings. Clean or replace air filter. Drain oil to proper oil level. Use a quality non-detergent 30 or 40wt oil specified for each model (Page 4). 			
Water in tank and/or discharge line	1. Normal. Amount of water will increase as humidity in the air increases.	 Drain tank at least once per day. Add an inline filter to reduce moisture in in the air line. 			
Will not run or motor hums	 Low voltage Malfunctioning pressure switch Malfunctioning check valve 	 Check voltage with volt meter across both legs of incoming power. Check reset button on motor. Repair or replace pressure switch. Replace check valve or pressure switch. Do not remove check valve with air pressure in tank 			
Breaker or reset repeatedly trips	 Incorrect breaker size Low voltage Malfunctioning motor Loose electrical connections Malfunctioning pressure switch Malfunctioning check valve 	 Make sure the breaker is sized properly. See page 6 in this manual. Check voltage with volt meter across both legs of incoming power. Replace motor. Check all electrical connections. Adjust or replace pressure switch. Replace check valve. Do not remove check valve with air pressure in tank			
Tank does not hold pressure when not running and shut off valve is closed	 Malfunctioning check valve Loose fittings or connections Crack or pin hole in tank 	 Replace check valve. Do not remove check valve with air pressure in tank Tighten or replace fittings or connections. Replace tank. Do not attempt to repair tank. 			

TROUBLESHOOTING GUIDE (Continued)					
Pressure switch un- loader constantly leaking air	1. Malfunctioning check valve	1. Replace check valve if unloader bleeds constantly.			
Pressure switch not unloading	1. Malfunctioning pressure switch	1. Replace pressure switch if it does not release air pressure briefly when unit shuts off. Do not remove pressure switch with air pressure in tank			
Excessive vibration	 Improper installation Loose belts Misaligned flywheel or drive pulley 	 Make sure unit is mounted on a level surface with vibration pads. Replace belts. Align and tighten properly. Align flywheel and drive pulley. 			
Overheating	 Compressor too small for application Cooling surfaces dirty Improper cooling 	 Reduce air demand or use a compressor with more air capacity. Clean all cooling surfaces of dirt and dust. Install compressor in an area with adequate cool dry air. 			

Twin Tank Compressors



III. No.	Part	Model	Model	Model	Model
	Description	824254PGT	824254PGTH	82808PGT	82808PGTH
1	Compressor	821312100123	821312100123	824116090112	824116090112
2	Engine	821312100728	821312100219	821312100729	821312100221
3	Tank	821312201000	821312201000	821312201000	821312201000
4	Idle Control	821312100382	821312100382	821312100740	821312100382
5	Unloader/Pilot Valve	821312100496	821312100496	821312100496	821312100496
6	Safety Valve	821312100005	821312100005	829710533300	829710533300
7	Pres. Gauge	821312100378	821312100378	821312100378	821312100378
8	Disch. Tube	821312100205	821312100205	821312100738	821312100738
9	Wheel	821312100461	821312100461	821312100461	821312100461
10	Rubber Feet	821312100411 x 4	821312100411 x 4	821312100411 x 4	821312100411 x 4
11	Tank Drain	821312100360	821312100360	821312100360	821312100360
12	Belt Guard Back	821312100147	821312100147	821312100147	821312100147
	Belt Guard Front	821312100146	821312100146	821312100146	821312100146
13	BG Fastener	821312100076	821312100076	821312100076	821312100076
	Drive Pulley	821312100441	821312100441	821312100442	821312100441
	Drive Belt	821312100132	821312100132	821312100807	821312100132
	Ball Valve	821312100161	821312100161	821312100161	821312100161

Part Numbers Subject to Change without Notice



III. No.	Part	Part Model		Model
	Description	82356VAT	82358VAT	82368VAT
1	Compressor	824116090112	824116090112	824116090158
2	Motor	821312100087	821312100087	821312100400
3	Tank	821312100604	821312201100	821312201100
4	Belt	821312100133	821312100137	821312100140 x 2
5	Press. Switch	821312100459	821312100554	821312100570
6	Safety Valve	821312051870	829710533300	829710533300
7	Press. Gauge	821312100028	821312100378	821312100028
8	Mag. Starter	NA	NA	821312100662
9	Tank Drain	821312100360	821312100360	821312100360
10	Disch. Tube	821312100214	821312100200	821312100208
11	Inlet Filter	821312100376	821312100376	821312100374
12	Belt Guard (Back)	821312100145	821312100148	821312100148
	Belt Guard (Front)	821312100146	821312100150	821312100150
	Check Valve	821312100168	821312100170	821312100169
	Belt Guard Clip	821312100076	821312100076	821312100076
	Unloader Line	821312100373	821312100373	821312100373
	Drive Pulley	821312100442	821312100442	821312100420

Part Numbers Subject to Change without Notice

Gas Drive Compressors



III. No.	Part	Model	Model	Model	Model	Model
	Description	82823GT	82823GTH	821023GT	821023GTH	821330GTK
1	Compressor	824116090112	824116090112	824116090158	824116090158	824116090158
2	Engine	821312100729	821312100222	821312100730	821312100223	821312100707
3	Tank	821312201500	821312201500	821312201500	821312201500	821312201500
4	Unloader Valve	821312100497	821312100497	821312100497	821312100497	821312100497
5	Safety Valve	829710533300	829710533300	829710533300	829710533300	829710533300
6	Press. Gauge	821312100378	821312100378	821312100378	821312100378	821312100378
7	Disch. Tube	821312100744	821312100744	821312100209	821312100208	821312100211
8	Ball Valve	821312100163	821312100163	821312100163	821312100163	821312100163
9	Inlet Filter	821312100376	821312100376	821312100374	821312100374	821312100374
10	Tank Drain	821312100361	821312100361	821312100361	821312100361	821312100361
11	Belt Guard (Back)	821312100149	821312100149	821312100149	821312100149	821312100149
	Belt Guard (Front)	821312100150	821312100150	821312100150	821312100150	821312100150
12	Belt	821312100138	821312100138	821312100139 x 2	821312100120	821312100141 x 2
13	Belt Guard Clip	821312100076	821312100076	821312100076	821312100076	821312100076
14	Idle Control	821312100742	821312100382	821312100742	821312100382	821312100381
	Drive Pulley	821312100442	821312100442	821312100735	821312100419	821312100421

Part Numbers Subject to Change without Notice



Compressor Pump 821312100123

- 01 Valve Assembly Kit
- 02 Conrod Kit
- 03 Crankshaft Kit
- 04 Crankcase Bottom Kit
- 05 Cylinder Kit
- 06 Shaft Seal Kit
- 07 Head Kit
- 08 Flywheel Kit
- 09 Top Gasket Kit
- 10 Oil Level Kit
- 11 Air Filter Kit
- 12 Ring Kit (2 Required)

826229024900

826229021800

826229022800

829428031

826229023100

829428050

826229023900

829428071

- 826229023600
- 829428100-KIT
- 826229020500
- 829428120



824116090112

<u>Illustration</u>			
Number	Description	<u>Quantity</u>	Part No.
		-	
1.	Crankcase	1	824960100
2.	Cylinder	1	826222924300
3.	Head	1	826223018600
4.	Crankshaft	1	826212862700
5.	Crankcase Bottom	1	824961300
6.	Valve Assembly	1	826210717200
7.	Conrod Insert (Half Bearing)	4	826222725900
8.	Conrod	2	826222629100
9.	Conrod Nut	4	826214346600
10.	HP Piston	1	826222727900
11.	LP Piston	1	826222728400
12.	HP Wrist Pin	1	826222726900
13.	LP Wrist Pin	1	826222727000
14.	Circlip	4	826214342000
15.	HP Compression Ring	1	826212864700
16.	HP Step Ring	1	826212866800
17.	HP Oil Ring	1	826212865800
18.	LP Compression Ring	1	826212865100
19.	LP Step Ring	1	826212867200
20.	LP Oil Ring	1	826212866300
21.	Aftercooler	1	822236102102
22.	Main Bearing Housing (NDS)	1	826222112400
23.	Bearing Housing (DS)	1	826222112700
24.	Intercooler Tube	1	822236102127
25.	Flywheel	1	826224019200
26.	Main Bearing (6205)	2	826214833200
27.	Oil Fill Plug	1	826214341800
28.	Oil Seal	1	826231630100
29.	Flywheel Bolt	1	826211848600
30.	Flywheel Washer	1	826214242800
31.	Crankcase Bottom Gasket	1	826231645800
32.	Frame Gasket	1	826231645200
33.	Cylinder Gasket	1	826231646500
34	Valve Plate Gasket	1	826231648500
35.	Head Gasket	1	826231649000
36	Bearing Housing Gasket	2	826231645400
37	Aftercooler Gasket	-	826231647500
38	Intercooler Gasket	2	826231647600
39	Intercooler Safety Valve (1/4" 65 psi)	-	826210716600
40	Oil Sight Glass	1	822236102992
40. /1	Air Filter Assembly	1	823095
	Head Balt	6	922226100609
44.	Afterseeler/Interseeler/Inlet Bolt	8	820101254
40.	Altercooler/Intercooler/Inter Bolt	0	029101204
40. 17	Cylinder Bolt	6	82222301003/0
Ψ1. ΛQ	Crankassa Battam Balt	0	022230100044
40.	Conred Polt		022230100093
4J.		4	022230100039
50.		I	022230103383

Kits Gasket Kit 828973035118 HP Running Gear Kit 822901323150 LP Running Gear Kit 828226505

 HP Ring Kit
 822901323164

 LP Ring Kit
 824924050



824116090158

III. No.	Description	Part No.
1.	Crankcase	826061100
2.	Cylinder	826030000
3.	Head	826223018800
4.	Crankshaft	826212862900
5.	Crankcase Bottom	826222017600
6.	Crankcase Bottom Gasket	826231645100
7.	Valve Plate	826210717300
8.	Conrod Bearing (2 per Rod)	826222726000
9.	Connecting Rod	826222629300
10.	Conrod Nut	826214346600
11.	HP Piston	826222728200
12.	LP Piston	826222727700
13.	HP Wrist Pin	826222727300
14.	LP Wrist Pin	826222728500
15.	Circlip	826214342100
16.	HP Ring	826212864900
17.	HP Ring	826212867000
18.	HP Ring	826212866100
19.	LP Ring	826212864500
20.	LP Ring	826212866600
21.	LP Ring	826212865600
22.	Aftercooler	826243731500
23.	Bearing Housing (NDS)	826222112500
24.	Bearing Housing (DS)	826222112900
25.	Intercooler	826243731900
26.	Flywheel	826224019100
27.	Main Bearing	826214834800
28.	Main Bearing	826214834900
29.	Oil Sight Glass	826214341200
30.	Oil Fill Plug	829214341900
31.	Oil Seal	826231644900
32.	Flywheel Bolt	826211848500
33	Flywheel Washer	826214242700
34.	Aftercooler Safety Valve	82SV25225
35.	Intercooler Safety Valve	826210716600
36.	Head Bolt	822236100609
37.	Cooler Bolt	822236100589
38.	Cylinder Bolt	822236100596
39.	Crankcase Btm. Bolt	822236100690
40.	Head Gasket	822236109330
41.	Cylinder Gasket	822236109329
42.	Aftercooler Gasket	826231644600
43.	Intercooler Gasket	826231648200
44.	Bearing Housing Gasket DS	826231645500
45.	Bearing Housing Gasket NDS	826231645700
46.	Frame Gasket	826231646600
47.	Oil Drain Tube	822236105583
48.	Filter Assembly	8232574
49.	Filter Element	82-2580

Gasket Kit 828973035123

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: 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.

This warranty does not apply to electric motors or gasoline engines. These are covered by the Original Manufacturer's Warranty and should be returned (by the customer) to their authorized service center for service.

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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