MEGA
COMPRESSOR

FOR ASC #5
122172
122171
122173
121547

Air Compressor Manual

For questions concerning this air compressor, please call 8324156995

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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

⚠ 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 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 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. **Chart 1a.**

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

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

Always Shut Off Gas Valve before moving Gas Drive Compressors

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.
9. **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

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 work area

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

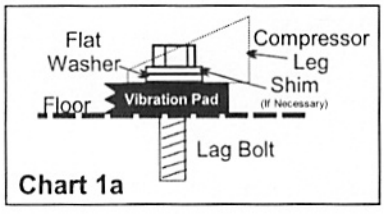


Chart 1a

Inspect your compressor

1. To reduce the risk of injury from accidental starting, turn the switch off and disconnect power.
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 disconnect power. **Do Not** use if defect is found.
3. 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.
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.

Spraying precautions

⚠ 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.

1. 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

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 trichloroeothane 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-flammable cleaning solvent.

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.

5. 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. 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.

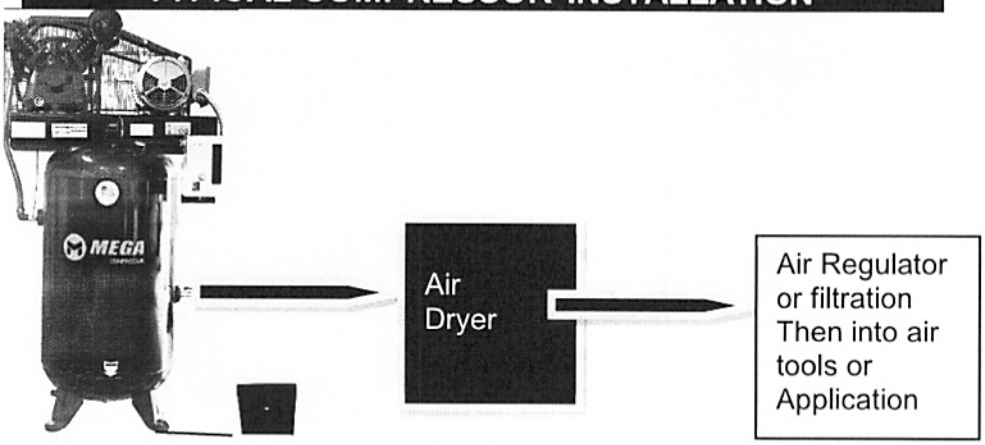
Monthly

(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 ½ 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 30 wt non-detergent oil should be used. *40 wt non-detergent for single stage.*

TYPICAL COMPRESSOR INSTALLATION



Vibration Pads x4

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.

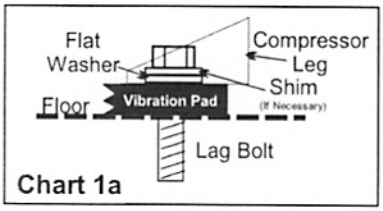


Chart 1a

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.

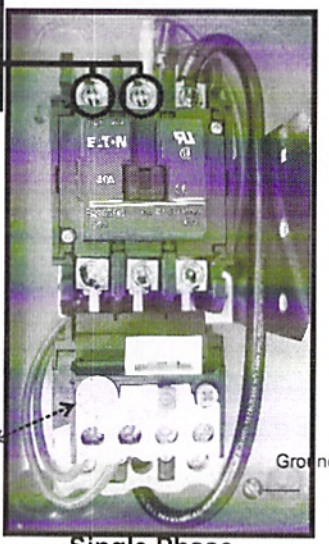
WARNING

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

CAUTION

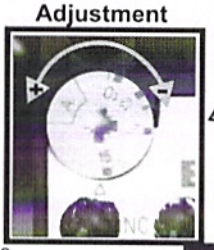
Overheating, short circuiting and fire damage will result from inadequate wiring.

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



Single Phase

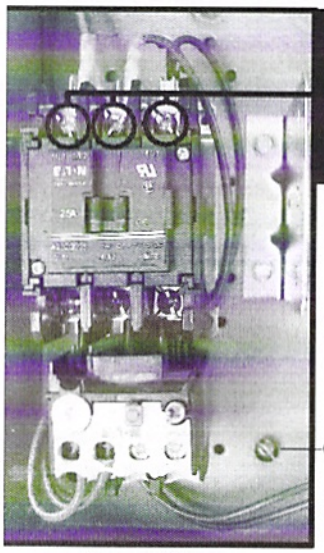
Overload Adjustment



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

DUPLEX

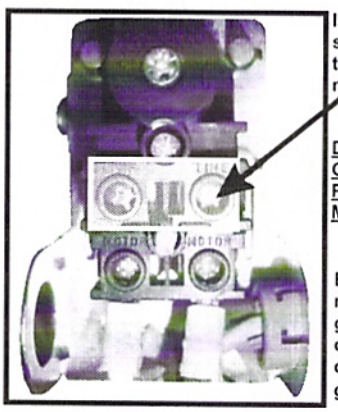
Power should be brought into the left hand starter. Do not bring power to both starters.



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

Three Phase

For Models Without Magnetic Starter

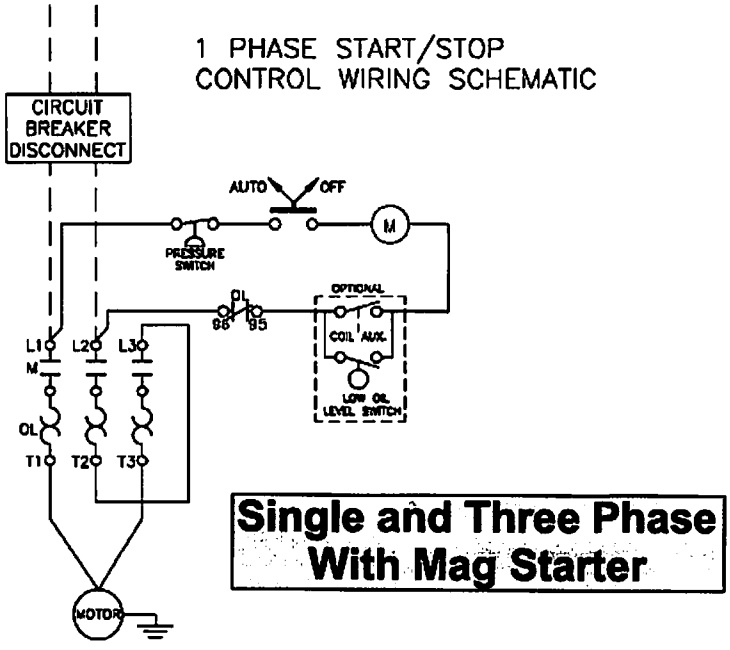


Incoming power should be connected to the posts marked (LINE)

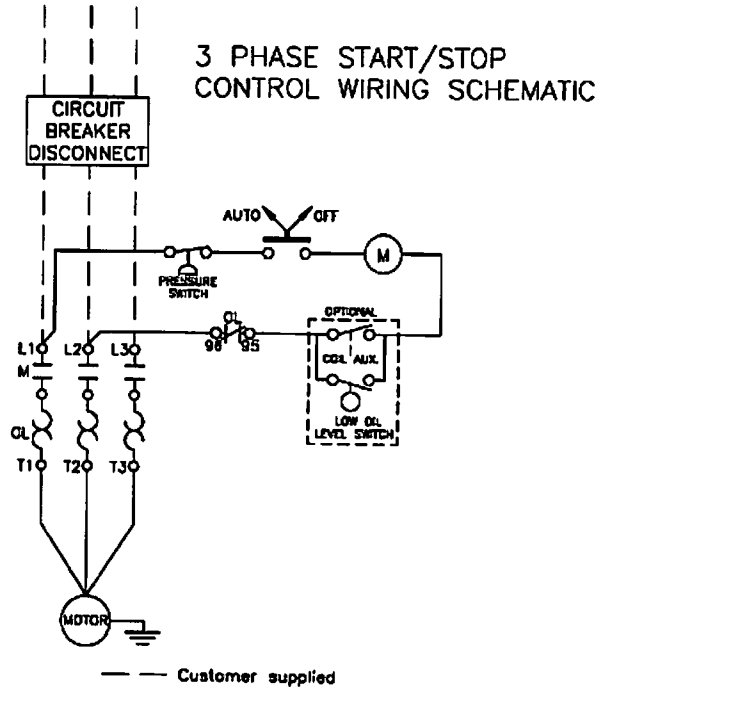
Do Not Make Connections On Prewired Posts Marked (MOTOR)!

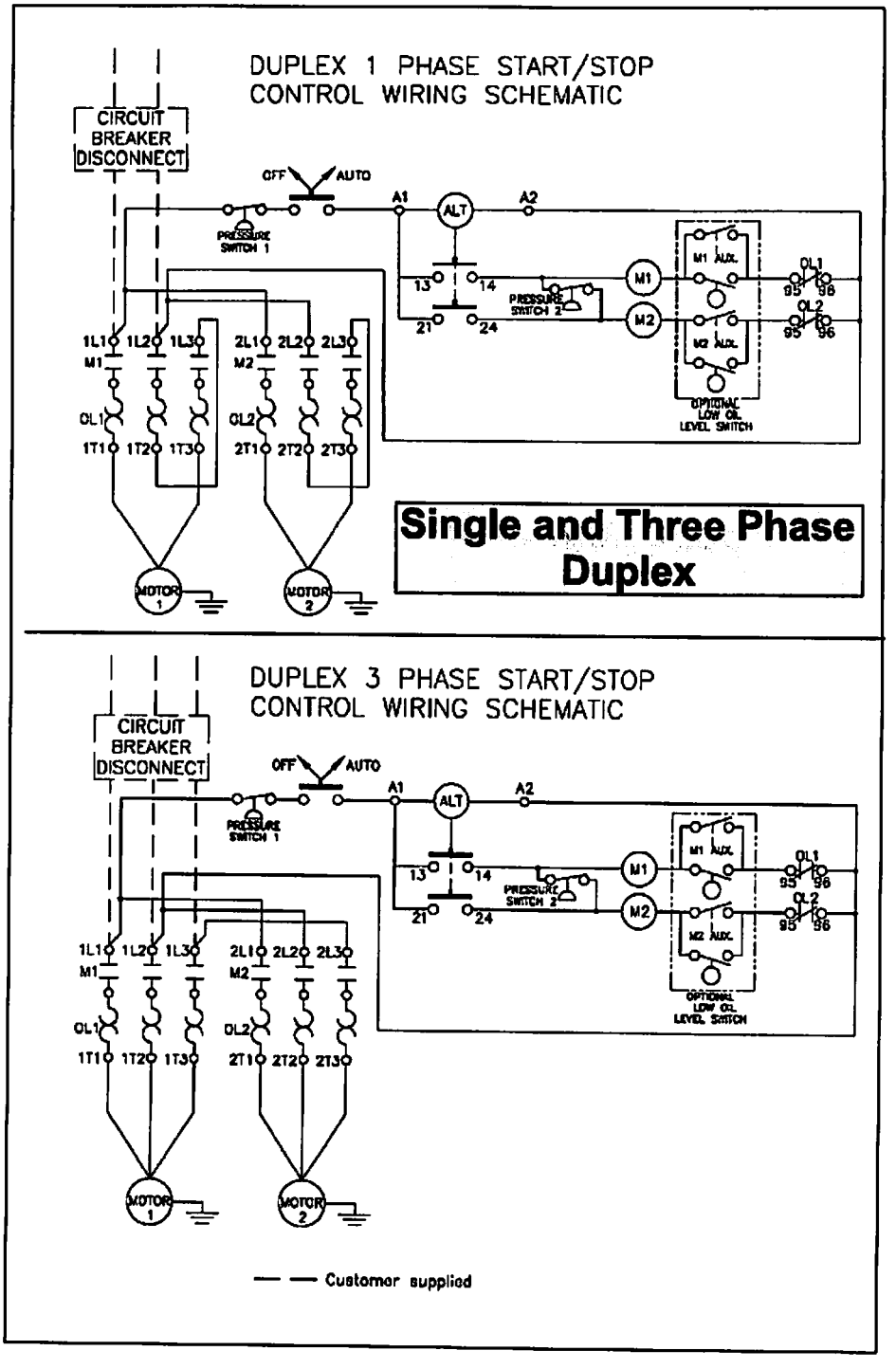
Electrical connections must be properly grounded. Ground connections should be connected at a grounding screw.

WIRING



Single and Three Phase With Mag Starter




DUPLEX 1 PHASE START/STOP
CONTROL WIRING SCHEMATIC
CIRCUIT BREAKER DISCONNECT
OFF
AUTO
A1
ALT
A2
PRESSURE SWITCH 1
PRESSURE SWITCH 2
13
14
21
24
M1
M2
M1 AUX.
M2 AUX.
OL1
OL2
95
96
OPTIONAL LOW OIL LEVEL SWITCH
1L1 1L2 1L3
M1
2L1 2L2 2L3
M2
OL1
OL2
1T1 1T2 1T3
2T1 2T2 2T3
MOTOR 1
MOTOR 2
Single and Three Phase Duplex
DUPLEX 3 PHASE START/STOP
CONTROL WIRING SCHEMATIC
CIRCUIT BREAKER DISCONNECT
OFF
AUTO
A1
ALT
A2
PRESSURE SWITCH 1
PRESSURE SWITCH 2
13
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M1
M2
M1 AUX.
M2 AUX.
OL1
OL2
95
96
OPTIONAL LOW OIL LEVEL SWITCH
1L1 1L2 1L3
M1
2L1 2L2 2L3
M2
OL1
OL2
1T1 1T2 1T3
2T1 2T2 2T3
MOTOR 1
MOTOR 2
— — Customer supplied

STARTING THE COMPRESSOR

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

Crankcase oil - Make sure the sight glass shows ½ 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 for Two Stage.
(135 psi - Single Stage or 165 psi - RCP-561VNS)

⚠ CAUTION

Make sure the pressure in the tank does not exceed its rating. Single Stage units - 135 psi Two Stage units at a maximum of 175 psi.
(165 for Model RCP-561VNS)
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***

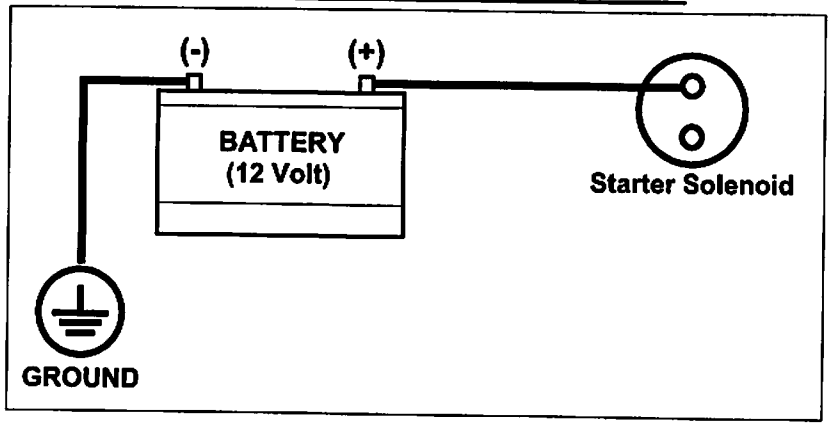
Battery Connection Instructions for Electric Start Engines

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.
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.

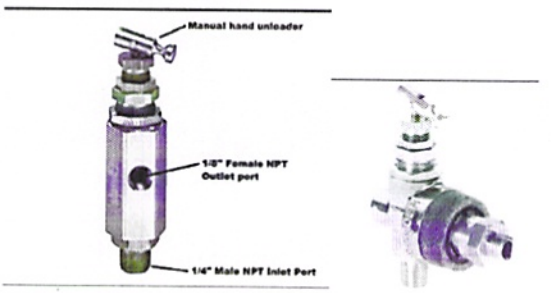
NUMBER 2 WIRE OR LARGER IS REQUIRED



Cold Start Procedure (Gasoline Engine Units)

Warning: Do Not Operate Gasoline Engine Units in an Enclosed Area

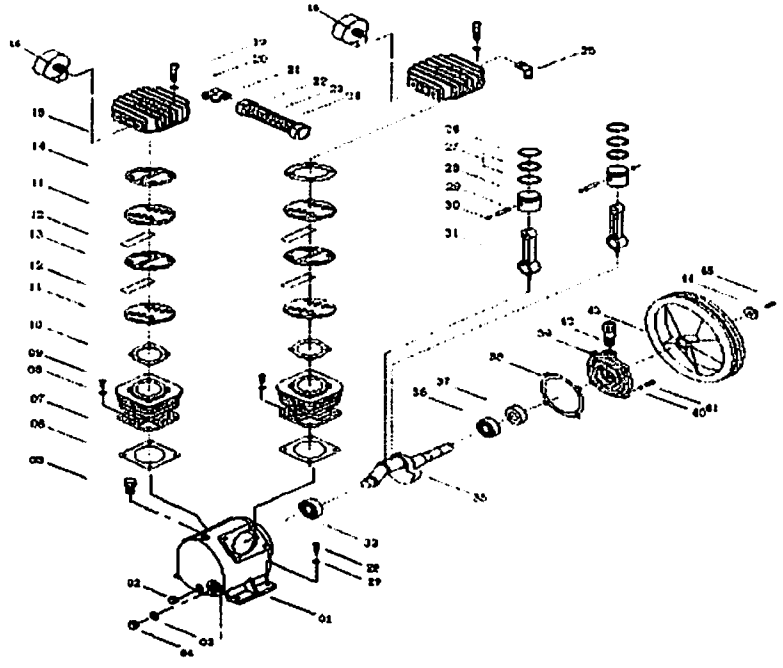
- Release any remaining tank pressure by slowly opening the manual drain valve.
- Turn on the engine gasoline supply.
- Put the choke in the "On" position
- Close the service valve and put Unloader lever in the "unload" (A) position for Honda engine driven models.
- Start the engine, release the choke,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



Note: Turn the gasoline supply off before shutting down the compressor.

ASC 122172 ASC 122171

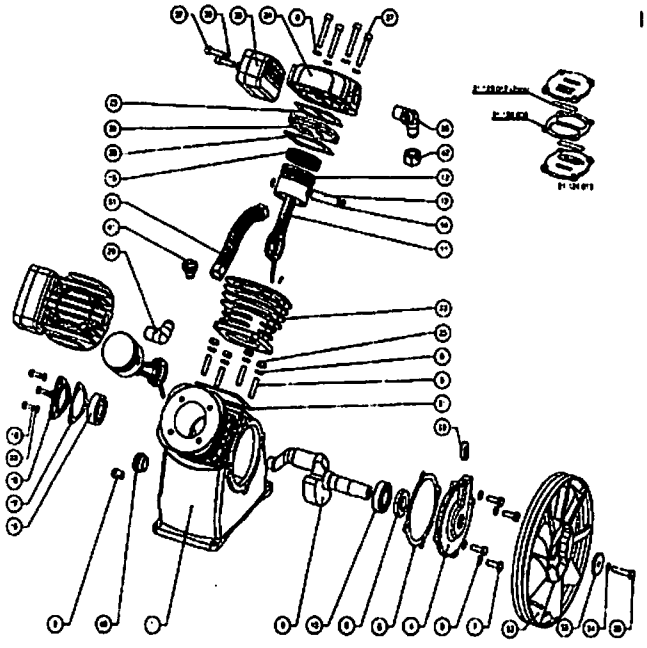
Pump – M15B – Used on MP-6060VUC / MP-2020EV



Code	Name	QTY
1	Crank Case	1
2	Drain Port Plug	1
3	Oring for Sight Glass	1
4	Oil Sight Glass	1
5	Oil Cap	1
6	Bottom Gasket For Cylinder	2
7	Cylinder	2
8	Bolt for Cylinder	8
10	Cylider Upper Gasket	2
11	Valve Plate (Two Pieces)	2
12	Valve Disc	4
13	Gasket for Valve Plate	2
14	Top Gasket for Valve Plate	2
15	Head Gasket	2
16	Air Filter Assembly	2
19	Bolt for Head Gasket	8
20	Washer for Head Gasket	8
21	T Elbow	1

22	Nut For Interchange tube	2
23	Interchange Tube with Fin	1
25	Outlet Elbow	1
26	Piston Ring	2 Sets
27		
28	Piston	2
29	Pin For Piston	2
30	Cclip for Piston	4
31	Connecting Rod	2
32	Bearing	1
35	Crank Shaft	1
36	Back Bearing	1
37	Oil Soal	1
38	Back Cover Gasket	1
39	Back Cover	1
40	Lock Washer (Back Cover)	4
41	Bolts for Back Cover	4
42	Breather Cap	1
43	Pulley	1
44	Washer For Pulley	1
45	Bolt for Pulley	1
43	Pulley	1
44	Washer For Pulley	1
45	Bolt for Pulley	1

Gas pump – MP-5510LB30 ASC 122173

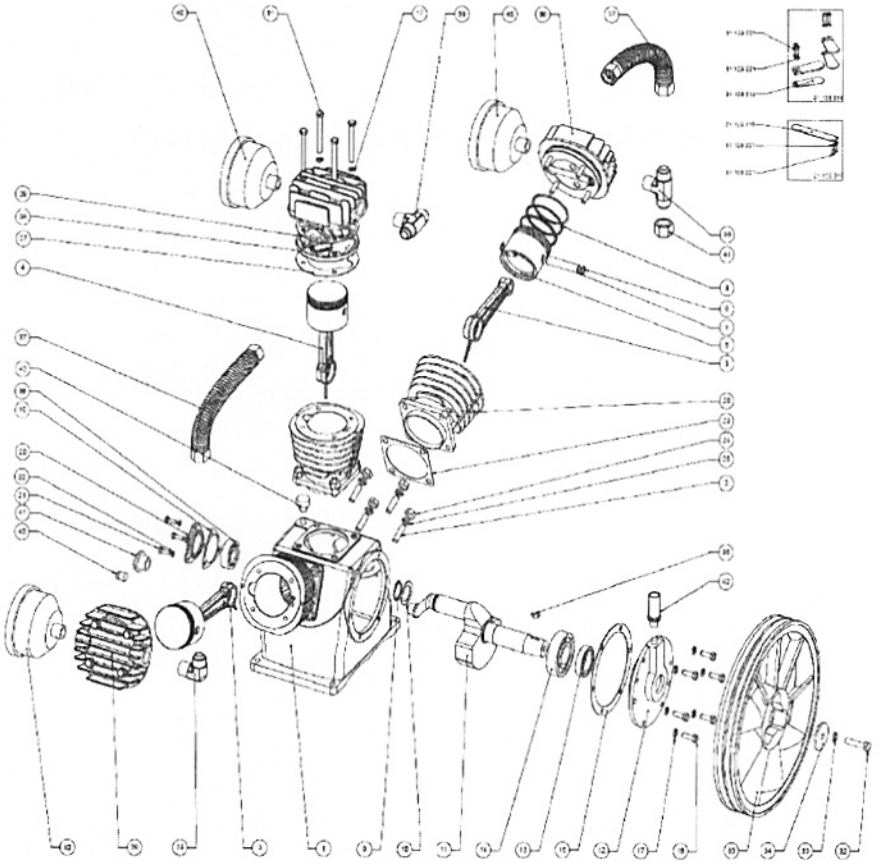


Exploded View

Item n°	Qty	Name	Description
1	1	Crankcase	LB30-2
2	1	Oil Draining Plug	ZG¾"
3	8	Stud	M8-15
4	1	Bearing Seat	LB18 - LB30
5	1	Oil Seal	Type AS, 24 x 47 x 8
6	1	Gasket	Bearing Seat, LB30, VALQUA 6500
7	4	Screw H	M8-25, 8.8
8	20	Spring Washer	W8
9	1	Crank Shaft	LB19-LB30
10	1	Ball Bearing	6205Z
11	2	Rod	Ø14.5 - Ø30 - 103, LB20-LB30-LB40
12	2	Piston	Ø65
13	2	Piston Pin	Ø14.5 - 57.5
14	4	Inside circlip	14.7 x 1
15	2	Piston Ring Set	Ø65
16	1	Ball Bearing	6204
17	1	Gasket	Bearing Cover LACME, VALQUA 6500
18	1	Bearing Cover	Triangle, 4mm, Aluminium, SUMAKE
19	3	Screw H	M6-20
20	3	Spring Washer	W6
21	2	Gasket	Ø65, Bottom Cylinder, VALQUA 6500
22	2	Cylinder	Ø65, M8
23	8	Nut H	M8, 8
24	2	Cylinder Head	Ø65, M8, Aluminium
25	2	Gasket	Ø65, M8, Cylinder Head, VALQUA 6500
26	2	Valve Plate Set	Ø65 M8 All Round
27	8	Screw C HC	M8-50, 8.8
28	2	Gasket	Ø65, M8, Top Cylinder, VALQUA 6500
29	1	Elbow Connector	ZG1/2"-3/4"UNF, 90°
30	1	3 Ways Connector	ZG1/2"-2X3/4"UNF, 110°
31	1	Copper Set	Ø12 - L220 + 2 nuts (11 112 001)
32	1	Pulley	Ø266.7, A1, Aluminium
33	1	Washer	Ø8 - Ø38 - 5
34	1	Spring Washer	W8, left
35	1	Screw H	M8-40, 10.9, left
36	2	Air Filter Set	LB30, With Inside Foam (21 175 006)
37	4	Screw C HC	M8-30, 8.8
38	4	Washer	Ø8, Copper
39	1	Oil Breath Pipe	G1/8"
40	1	Oil Level	Ø45, Aluminium, With Flat Ring (21 159 006)
41	1	Oil Filling Plug	M18-3, with Flat Ring (21 159 005)
42	1	Exhaust Nut	3/4UNF/27 - Ø14.5 - h=17

ASC 121547

PUMP- LB75T – MP-15030G

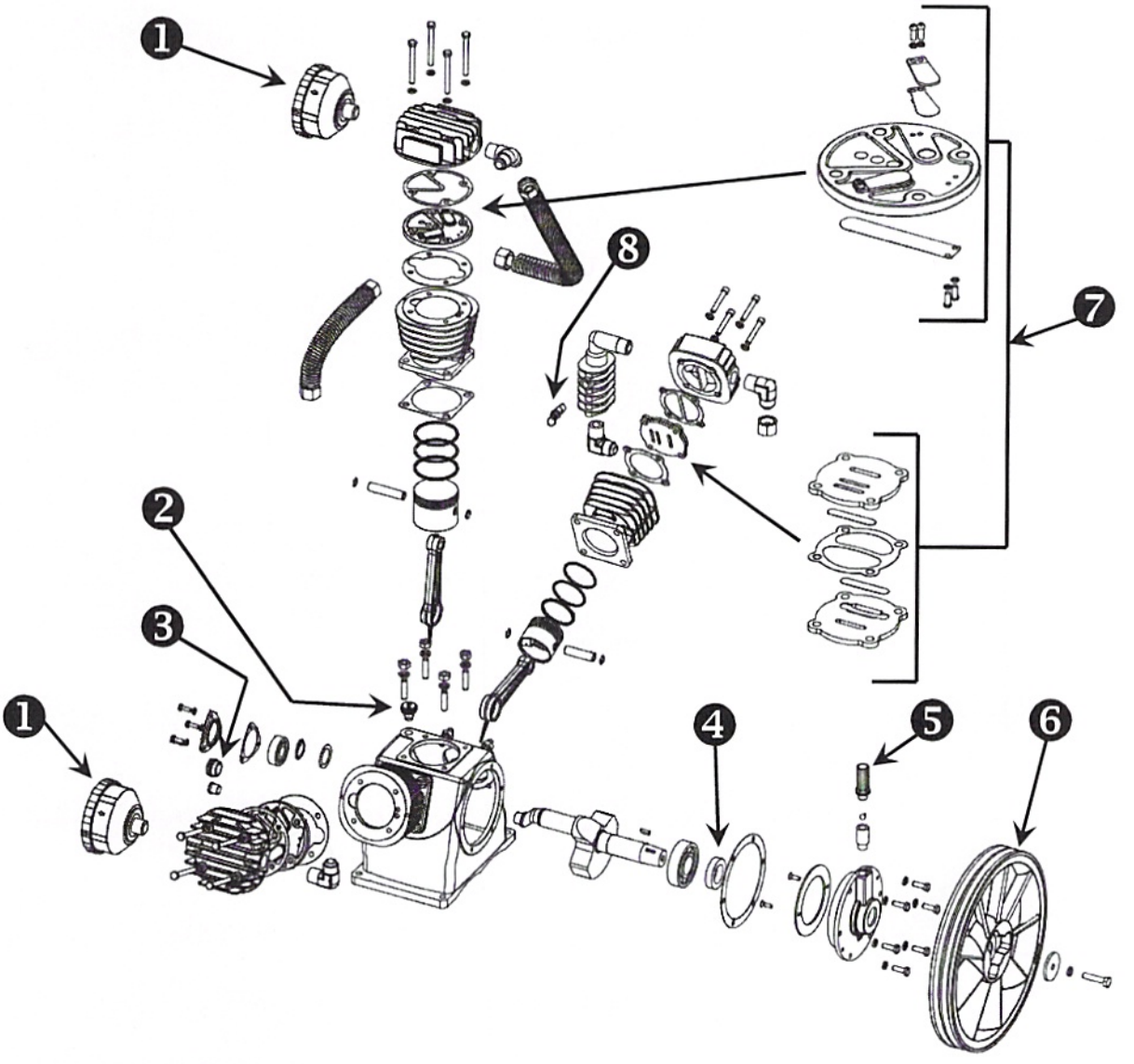


Item n°	Qty	Name	Description
1	1	Crankcase	LT55-3 / LB75-2
2	12	Stud	M10-38
3	2	Rod	Ø 15 - Ø 32 - 137 (Side)
4	1	Rod	Ø 15 - Ø 32 - 137 (Center)
5	3	Piston	Ø 80
6	6	Inside Circlip	15 x 1
7	3	Piston Pin	Ø 15 - 70
8	3	Piston Ring Set	Ø 80 (3 Pieces)
9	1	Outside Circlip	Ø 30 x 1.2
10	1	Washer	Ø 30 - Ø 44 - 1.5
11	1	Crankshaft	LB75
12	1	Bearing Seat	LB50 - LB75
13	1	Oil Seal	Type AS, 35 x 56 x 12
14	1	Ball Bearing	6307
15	1	Gasket	Bearing Seat, LB50 - LB75, VALQUA 6500
16	6	Screw H	M8-20, 8.8
17	18	Spring Washer	W8
18	1	Ball Bearing	6304
19	1	Gasket	Bearing Cover, LACME, VALQUA 6500
20	1	Bearing Cover	Thickness=4mm, LACME
21	3	Screw H	M6-20
22	3	Spring Washer	W6
23	3	Gasket	Ø80, Cylinder Bottom, VALQUA 6500
24	12	Nut H	M10
25	12	Spring Washer	W10
26	3	Cylinder	Ø 80, M8
27	3	Gasket	Ø 80 Cylinder Top, VALQUA 6500
28	3	Valve Plate Set	Ø 80, M8
29	3	Gasket	Ø 80, Cylinder Head, VALQUA 6500
30	3	cylinder Head	Ø 80, M8, Aluminium
31	12	Screw H	M8-80, 8.8
32	1	Screw H	M10-45, left
33	1	Spring Washer	W10 left
34	1	Washer	Ø 10 - Ø52 -5
35	1	Pulley	Ø 368, 2A, Cast Iron
36	1	CircleKey	Ø 5 - 19
37	2	Cooler Set	Ø 19 x 260 + 2x11114001
38	2	3 Ways Connection	R¾ - 2 x G¾, 180°
39	1	Elbow Connection	R¾ - G¾, 90°
40	3	Air Filter	Plastic, Round, with Cartridge (21175005)
41	1	Oil Leveler	G¾, Aluminium, with gasket
42	1	Oil Breath Pipe	M16 x 1.5, Black, with gasket
43	1	Oil Filling Plug	M16-3, with gasket
44	1	Exhaust Nut	G¾/32 - Ø19.5 - l=21
45	1	Oil Draining Plug	Z3/8

MEGA COMPRESSOR

Asc 122173

Compressor Pump – LB75T



No.	Part Number:	Qty:	Description:	No.	Part Number:	Qty:	Description:
1	PB-001AFA	2	Air Filter Assembly	6	PB-001FW	1	Fly Wheel
	PB-001AFE	2	Air Filter Element	7	PB-001VRK	1	Valve Repair Kit
2	PB-001OFP	1	Oil Fill Plug	8	PB-001SV75	1	Safety Valve – 75 psi
3	PB-001OSG	1	Oil Sight Glass		GK-55	1	Gasket Kit
4	PB-001OS	1	Oil Seal		OK-55	1	Overhaul Kit
5	PB-001CB	1	Crankcase Breather				

Note: 1. 'OK-55' Overhaul Kit includes (1) Gasket Kit, (1) Ring Kit, (1) Valve Repair Kit, and (1) Oil Seal.

Maintenance Kits:

The appropriate **Maintenance Kit** for the 'LB75T' Pump is the part number 'LB75T' and includes the following:

(2) PB-001AFE Air Filter Element
(1) MC-100 30 Weight Non Detergent Oil - 1 Gallon Jug

TROUBLESHOOTING GUIDE

Low discharge pressure	1. Compressor too small for application 2. Air leaks 3. Restricted intake air 4. Blown gasket(s) 5. Broken or misaligned valves	1. Reduce air demand or use a compressor with more air capacity. 2. 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. 3. Clean or replace air filter. 4. Replace necessary gaskets. 5. Remove head and inspect for broken or misaligned valves. Replace valves, if 6. ! CAUTION Install a new head gasket each time head is removed
Excessive noise "knocking"	1. Loose drive pulley or flywheel 2. Low on oil 3. Worn connecting rod or connecting rod bearing 4. Noisy check valve	1. Tighten drive pulley or flywheel bolt. 2. Check for proper oil level. Low or dirty oil may cause bearing damage. 3. Replace connecting rod and/or connecting rod bearings. 4. ! DANGER Do not remove check valve with air pressure in tank
Excessive oil carryover	1. Worn piston rings 2. Restricted intake air 3. Too much oil in compressor 4. Incorrect oil viscosity	1. Replace with new piston rings. 2. Clean or replace air filter. 3. Drain oil to proper oil level. 4. 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.	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 2. Malfunctioning pressure switch 3. Malfunctioning check valve	1. Check voltage with volt meter across both legs of incoming power. Check reset button on motor. 2. Repair or replace pressure switch. 3. ve or pressure switch. ! DANGER Do not remove check valve with air pressure in tank
Breaker or reset repeatedly trips	1. Incorrect breaker size 2. Low voltage 3. Malfunctioning motor 4. Loose electrical connections 5. Malfunctioning pressure switch 6. Malfunctioning check valve	1. Make sure the breaker is sized properly. See page 6 in this manual. 2. Check voltage with volt meter across both legs of incoming power. 3. Replace motor. 4. Check all electrical connections. 5. Adjust or replace pressure switch. 6. Replace check valve. ! Do not remove check with air pressure in tank
Tank does not hold pressure when not running and shut off valve is closed	1. Malfunctioning check valve 2. Loose fittings or connections 3. Crack or pin hole in tank	1. Replace check valve. ! Do not remove check valve with air pressure in tank 2. Tighten or replace fittings or connections. 3. Replace tank. Do not attempt to repair tank.

TROUBLESHOOTING GUIDE (Continued)

Pressure switch unloader constantly leaking air	1. Malfunctioning check valve	1. Replace check valve if unloader bleeds constantly. **!DANGER** Do not remove check valve with air pressure 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. **!DANGER** Do not remove pressure switch with air pressure in tank
Excessive vibration	1. Improper installation 2. Loose belts 3. Misaligned flywheelor drive pulley	1. Make sure unit is mounted on a level surface with vibration pads. 2. Replace belts. Align and tighten properly. 3. Align flywheel and drive pulley.
Overheating	1. Compressor too small for application 2. Cooling surfaces dirty 3. Improper cooling	1. Reduce air demand or use a compressor with more air capacity. 2. Clean all cooling surfaces of dirt and dust. 3. Install compressor in an area with adequate cool dry air.

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 relelve an air tank by removing a pipe plug or any other system component!

Manually Draining An Air Tank:

Step 1) Disconnect & lockout the compressor from the power source (elec tric 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 mois ture from the tank(s). Reduce the air pressure in the tank to 30 PSIG by pulling the pressure relief valve ring (refer to **Fig. 3-4, Checking Pressure Relief Valves & Relieving System Pres sure**).

Step 3) 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.

Air Tank Inspection

Tank Capacity	Horizontal or Vertical	Minimum Allowal le Wall		Visually Inspect	Hydrostaticall y Inspect
		HEAD	SHELL		
8 Gal.	Horizontal	0.096	0.094	Yearly	10 Years
8 Gal.	Twin Horz.	0.098	0.098	Yearly	10 Years
10 Gal.	Twin Horz.	0.118	0.118	Yearly	10 Years
20 Gal.	Horizontal	0.094	0.094	Yearly	10 Years
26 Gal.	Vertical	0.094	0.094	Yearly	10 Years
30 Gal.	Horizontal	0.109	0.098	Yearly	10 Years
60 Gal.	Vertical	0.094	0.094	Yearly	10 Years
80 Gal.	Vertical	0.149	0.133	Yearly	10 Years
80 Gal.	Horizontal	0.109	0.133	Yearly	10 Years
120 Gal.	Vertical	0.183	0.199	Yearly	10 Years
120 Gal. & Duplex	Horizontal	0.131	0.159	Yearly	10 Years
200 Gal. Duplex	Horizontal	0.163	0.199	Yearly	10 Years

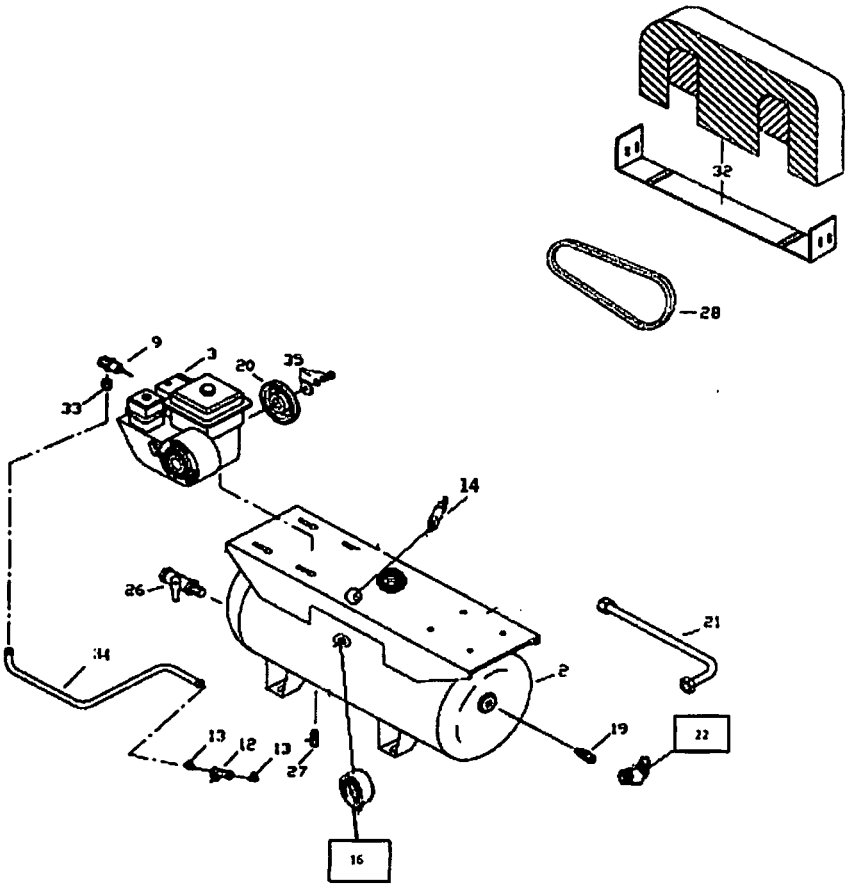
Recommended Air Tank Inspection Intervals

The factory recommends that all air tanks be inspected at scheduled inter - vals. 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.

Warranty

Guarantee MegaPower Inc. warrants that all MegaCompressor® compressors will be free of defects in material and workmanship for a period of twelve months from the date of initial retail purchase, or eighteen months from the date of manufacture, whichever may occur first. Should any failure to conform to this warranty be reported to the company within said period, the company shall, upon purchaser shipping the compressor to our plant transportation prepaid, correct such nonconformity by suitable repair or, at its option, furnish a replacement part F.O.B. our plant. MegaPower Inc,. shall not be liable for any unauthorized repairs, replacements, adjustments to the compressors, or the costs of labor performed by the purchaser. This warranty is expressly in lieu of all other warranties expressed, implied or statutory (including, but not limited to, warranties of merchantability and fitness for purpose) and of any other obligations, and/or liabilities on the part of MegaPower Inc,. MegaPower Inc neither assumes nor authorizes any other person to assume for it any other obligations or liability in connection with or with respect to any compressor. MegaPower Inc shall in no event be liable neither for any consequential, incidental or special damages nor for the improper selection of any compressor for a particular application. MegaPower Inc is devoted to continual quality control and thorough research of the products we build. It is our creed to give you, the user, all of the experience and engineering available in the production of every piece of equipment we produce. Our line covers the complete needs of today's varied air requirements. Rely on MegaCompressor® for all the newest and finest features that are available for the modern compressor.



1. 1- Pump
2. 2 -Tank – 30 Gallon
3. 3 -Engine
4. 9- Engine Control – Throttle Control
5. 12- Nut
6. 13 – T- Bolt
7. 14 – Pilot Valve 145-175 PSI
8. 16- Liquid Gauge Back Mount
9. 19- Check valve ¼ Female
10. 20- Pulley 2A B Groove
11. 21 - Out let pipe
12. 22 – Elbow ¼
13. 28 – Belts
14. 32 – Belt Guard
15. 33 – Nut for Throttle Control
16. 34 – Throttle Control Pipe