AC658HB
AC708RB
WHEELED GAS COMPRESSOR

OPERATION MANUAL

CAUTION READ THIS MANUAL CAREFULLY before operating or servicing this air compressor, to familiarize yourself with the proper safety, operation, and standard operating procedures of this unit. **FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN THE VOIDING OF YOUR WARRANTY, AND PERSONAL INJURY, AND/OR PROPERTY DAMAGE. THE MANUFACTURER OF THIS AIR COMPRESSOR WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUAL.** By following the instructions and recommendations in this manual you will ensure a longer and safer service life of your air compressor.

TABLE OF CONTENTS

Attention: Read through the complete manual prior to the initial use of your compressor.

Using the Operator's manual

Thank you for choosing our compressor. The manual gives information with respect to operation and maintenance of the Compressor and be sure to read it carefully first before operation.
Following the manual can ensure the user's safety and get the best results from the compressor. All information and diagrams in this manual are in accordance with the newest products at the publishing time. We strive for accuracy and this manual is accurate for the models described at the time of printing. We reserve the right to make improvements or changes at any time without notice or obligation.
Please keep this manual with the engine permanently, even if the engine ownership is transferred.

Specifications

SPECIFICATIONS AC708RB

- 10 Gallon = 2 x 5 Tank Design
- Oil Lubricated for Extended Durability
- 210cc, 4 stroke, OHV gas engine
- Air Delivery: 13.8 CFM output @ 90 PSI and 12.7 CFM output @ 100 PSI
- Maximum Pressure: 125 PSI
- High Flow regulator and Dual Pressure Gauges for Precision Air Flow Control

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Record Identification Numbers

COMPRESSOR
If you need to contact an Authorized Dealer or Customer Service line (1-866-850-6662) for information on servicing, always provide the product model and identification numbers.

You will need to locate the model and serial number for the machine and record the information in the places provided below.

Date of Purchase:

Dealer Name:

Dealer Phone:

Product Identification Numbers

Model Number:

Serial Number:

Safety Instructions

- Carefully read through the entire owners manual before operating this compressor.
- Keep manual with important records for safety instructions, operating procedures and warranty.
- After unpacking your new air compressor, please inspect it carefully for any damage that may have occurred during transit.
- Do not operate this air compressor if damaged during shipment, handling or misuse.
- Damage may result in bursting, which can cause serious injury or property damage.
- All damaged parts must be repaired or replaced as needed prior to operating this air compressor.
- Check to see that all nuts, bolts and fittings are secure.
- Check to see that the proper lubrication oil, which has been included with the air compressor, is used to fill the compressor crankcase to the proper level.
- Please contact our customer service department at the numbers listed on the back of this instruction manual for any questions or comments regarding this air compressor.

Save these Instructions

SAFETY RULES

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

The safety alert symbol (⚠) is used with a signal word (DANGER, CAUTION, WARNING), a pictorial and/or a safety message to alert you to hazards.

DANGER indicates a hazard which, if not avoided, will result in death or serious injury.

WARNING indicates a hazard which, if not avoided, could result in death or serious injury.

CAUTION indicates a hazard which, if not avoided, might result in minor or moderate injury.

NOTICE indicates a situation that could result in equipment damage. Follow safety messages to avoid or reduce the risk of injury or death.

HAZARD SYMBOLS AND MEANINGS

EXPLOSION

FIRE

ELECTRIC SHOCK

TOXIC FUMES

KICKBACK

HOT SURFACE

WEAR EYE PROTECTION

SLIPPERY

FALL

FLUID INJECTION

MOVING PARTS

READ MANUAL

⚠ WARNING	
	**AIR TANK WARNING:** Drain liquid from air tank daily, or after each use, using the drain valve located on the bottom of the lower air tank. Failure to properly drain liquid from the tank will cause rust from moisture build-up, which weakens the tank and could lead to a violent tank explosion, Periodically inspect the tanks for unsafe conditions such as corrosion.
Never attempt to repair or make modifications to the tank or its attachments. Welding, drilling or any other modifications may weaken the tank, which may result in damage from rupture or explosion. Never remove or attempt to adjust the pressure switch, safety valve, or other factory set operating pressures.	

⚠ WARNING	
	**FIRE WARNING:** Avoid dangerous environments. Do not use compressor near gasoline or other flammable materials. Keep work area well lit. Normal sparking of a motor or sparking from grinding metal could ignite fumes. Do not spray flammable materials in the vicinity of an open flame or other ignition source, including the air compressor itself. Do not direct paint or other spray material towards the compressor.
Read and follow all safely instructions for the material you are spraying. Be sure to use an approved respirator designed for use with your specific application.	

⚠ WARNING	
	**BREATHABLE AIR WARNING:** This air compressor in not designed, nor intended for the supply of breathable quality air. Air produced by this unit may contain carbon monoxide or other toxic vapors.
Do not inhale air from the compressor or from a breathing device connected to it.	

⚠ WARNING	
	**AIR TOOLS AND ACCESSORIES WARNING:** Do not exceed the pressure rating of any air tools, spray guns, air accessories, or inflatables. Excess pressure can cause them to explode, resulting in serious injury. Follow the manufacturers recommended pressure settings for all air tools and air accessories.

⚠ WARNING	
	Do not direct compressed air stream at people or pets. The powerful compressed air stream can damage exposed skin and easily propel loose dirt and other small objects. Always wear eye protection that meets ANSI Z28.1 specifications.

⚠ WARNING	
	Keep hands and fingers away from exposed metal parts on a running air compressor. Air compressors generate significant heat during normal operation, which can cause serious burns. The compressor will remain hot for some time after operation and should not be touched or moved until cool.

GENERAL SAFETY INFORMATION

Do not operate unit if damaged during shipping, handling or use. Damage may result in bursting and cause injury or property damage.
Since the air compressor and other components (filters, lubricators, hoses, etc.) used, make up a high pressure pumping system, the following safety precautions must be observed at all times:

1. Read all manuals included with this product carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Follow all local electrical and safety codes
3. Only persons well acquainted with these rules of safe operation should be allowed to use the compressor.
4. Keep visitors away and NEVER allow children in the work area.
5. Wear safety glasses and use hearing protection when operating the pump or unit.
6. Do not stand on or use the pump or unit as a handhold.
7. Before each use, inspect compressed air system and electrical components for signs of damage, deterioration, weakness or leakage. Repair or replace defective items before using.
8. Check all fasteners at frequent intervals for proper tightness.

⚠ WARNING	
	Compressor parts may be hot even if the unit is stopped.

9. Keep fingers away from a running compressor; fast moving and hot parts will cause injury and/or burns.
10. If the equipment should start to abnormally vibrate, STOP the engine/motor and check immediately for the cause. Vibration is generally a warning of trouble.
11. To reduce fire hazard, keep engine/motor exterior free of oil, solvent, or excessive grease. Never remove or attempt to adjust safety valve. Keep safety valve free from paint and other accumulations.
12. 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 or damaged tanks. Drain liquid from tank daily.
13. Tanks rust from moisture build-up, which weakens the tank. Make sure to drain tank daily and inspect periodically for unsafe conditions such as rust formation and corrosion.
14. Fast moving air will stir up dust and debris which may be harmful. Release air slowly when draining moisture or depressurizing the compressor system.

SPRAYING PRECAUTIONS

15. Do not smoke when spraying paint, insecticides, or other flammable substances.
16. Use a face mask/respirator when spraying and spray in a well ventilated area to prevent health and fire hazards.
17. Do not direct paint or other sprayed material at the compressor. Locate compressor as far away from the spraying area as possible to minimize overspray accumulation on the compressor.
18. When spraying or cleaning with solvents or toxic chemicals, follow the instructions provided by the chemical manufacturer.

⚠ WARNING	
	Do not spray flammable materials in vicinity of open flame or near ignition sources including the compressor unit.

HOSE PRECAUTIONS

19. Inspect hose before use. Do not exceed working pressure marked on hose. Do not twist, bend knot, or abrade hose. Do not wrap hose around body.
20. Keep away from hot surfaces and chemicals.

Installation

INSTALLATION AND LOCATION

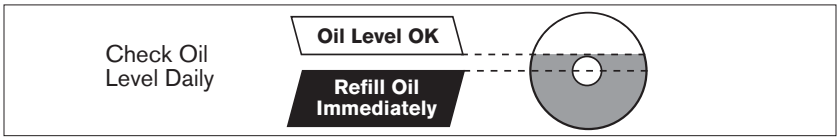
The compressor must be used on a stable level surface. The air compressor must be used in a clean and well-ventilated area. The compressor requires an unobstructed airflow and must be located a minimum of 18 inches from any walls or other obstructions.

Extension Cord Length	Wire Size (A.W.C.)
Up to 25 Feet	14
26 to 50 Feet	12
51 to 100 Feet	10

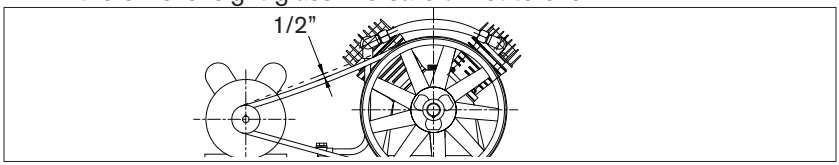
Assembly

Read all safety instructions before using air compressor.

WARNING	
oil	The compressor is shipped without oil in the crankcase. Add oil as indicated below.



1. After opening the carton, please remove all parts and check against photograph on carton. If any parts are missing, please call 1-866-850-6662.
2. Place air compressor on a flat, level surface.
3. Pour supplied oil into crankcase until the oil level reaches the red dot in the oil level sight glass. Be careful not to overfill.



4. Adjust tension of belt to ensure that a maximum of 1/2” / 12mm of slack exists when pressure is placed on belt at centre line. **NOTE**: If the belt is installed too tightly, overloading of the motor will occur. This will cause the motor to overheat. If the belt is installed too loosely, it will slip and unstable operation and vibration will occur. **Caution** - The rotating direction for the flywheel must follow the arrow shown on the belt guard.
5. Close tank drain valve on the bottom of the air tank by turning the valve clockwise until fully closed.
6. Attach the air coupler to the compressor regulator valve. Use Teflon thread-sealing tape on the threads to make sure you have an airtight connection. Do not over tighten fittings.
7. Attach the supplied air filter to the air intake port on the pump head.
8. Attach air hose and any desired air accessories (which are not included). Use Teflon thread-sealing tape on the threads to make sure you have an airtight connection. Do not over tighten fittings.

NOTICE
Do not operate the compressor without lubricant or with low lubricant level. We are not responsible for damage caused to the compressor due to operation without proper lubrication.

Product Features

1. Automatic ON/OFF Pressure Switch

The compressor is equipped with an automatic on/off pressure switch. The compressor will only run when the switch is in the "I"(ON) position. Once the tank has reached the desired preset pressure (see Operation Instructions), the pump will automatically shut off. While the switch is in the "I"(ON) position, the pump will automatically turn back on once the pressure in the tank drops below the minimum preset pressure. Do not leave the compressor unattended while the power switch is in the "I"(ON) position.

2. Regulator

The regulator allows you to select the amount of air pressure that is output through the air hose into tools and accessories. Refer to the air delivery requirements of your tools for the proper pressure settings.

3. Tank Pressure Gauge

The tank pressure gauge provides a reading of the air pressure inside of the compressor tank.

4. Safety Valve

This compressor is equipped with a safely valve switch that will engage when the pressure in the tank exceeds the maximum rated pressure. DO NOT attempt to modify or remove safely valve.

5. Tank Drain Fitting

Water is produced whenever air is compressed. It is critical to drain water from the air tank on this compressor frequently. If unit is used only occasionally, tank should be drained after each use and prior to the next use. To drain the tank, slowly open the tank drain fitting by turning clockwise. Once all water has drained out, close the fitting securely. **NOTE**: tank will not pressurize while fitting is open.

6. Safety Guard

The belt drive mechanism is protected by a metal guard. Do not attempt to modify or remove this safety guard.

Operating Instructions

Initial Start Up

1. Disconnect tools and/or accessories from the air hose.
2. Open the tank drain valve to allow air to escape preventing air pressure buildup in the air tank.
3. Check to see that the belt is installed properly with the correct tension.
4. Plug power supply cord into proper power source receptacle. (See Grounding Instructions)
5. Run the compressor for a minimum or twenty minutes in this no-load position to lubricate the bearings and piston.
6. Turn off compressor, drain liquid from tanks and close drain valve.
7. The compressor is now ready for use.

Start Up

1. Slowly open tank drain by turning clockwise. Allow any water in tank to drain out. Close fitting securely.
2. Before starting the compressor, check for broken components and accessories, and check for damage to the hose.
3. Make sure the power switch is turned “O”(OFF) position.
4. Attach desired tool to the end of the air hose.
5. Turn the switch on the “I”(ON) position.
6. Adjust regulator knob to desired pressure level once the pump has shut off and the compressor has stopped running.

Storage

1. Disconnect tools and/or accessories from the air hose.
2. Locate drain valve on bottom side of tank.
3. Open drain valve to release remaining pressurized air and moisture from the air tank. Moisture buildup in the tank is normal with air compressors, so a small amount of water may come out while draining the tank. Draining the tank is vital for longevity and safety of your air compressor.
4. Close valve and store the compressor in a cool, dry place.

Shut Down

1. Turn the ON/OFF lever to the OFF position.
2. Rotate the pressure regulator knob counterclockwise until it is fully closed. Check regulated pressure gauge to ensure that it reads 0 PSI.
3. Remove air hose and other connected accessories.
4. Slowly open air tank drain valve to release remaining pressurized air, and tilt unit to fully drain accumulated liquid from air tanks. Moisture build-up in the tank is normal with air compressor, so a small amount of water may come out while draining the tank. Draining the tank is vital for the longevity and safely of your air compressor.
5. Close drain valve.
6. Allow compressor to cool down.
7. Clean and store compressor.

Maintenance

When performing any maintenance or service
- The air compressor must be turned off.
- Drain tanks.
- Allow compressor to cool down.

Daily
- Check oil level.
- Drain accumulated liquid from tanks.
- Check for oil leaks.
- Check for unusual noise and/or vibrations
- Check that all fasteners are secure.

Weekly
- Check safety relief valve.
- Inspect and clean air filter.
- Clean breather holes on oil check dipstick.

Monthly
- Check for air leaks.
- Apply a solution of soapy water around joints.
- Look for air bubbles around joints when compressor reaches the pressure cut-out limit and pump turns off.
- Adjust belt tension and replace if worn or damaged.

Six Months or 250 Operating Hours
- Change compressor oil.
- Use only SAE 20 or SAE 30 weight non-detergent oil.
- Replace oil more frequently when used in dusty operating environments.

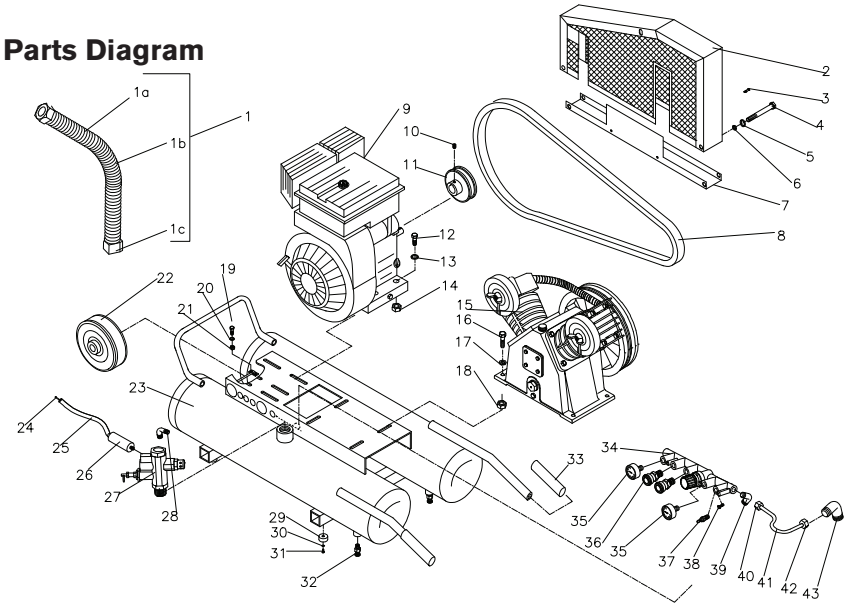
Oil Change
1. Place oil drain pan below oil drain plug.
2. Remove dipstick to allow air to enter crankcase.
3. Remove oil drain plug.
4. Allow oil to drain completely.
5. Clean and replace oil drain plug.
6. Refill crankcase with SAE 20 or SAE 30 weight non-detergent oil to red dot on oil level sight glass. Be careful not to overfill.

Troubleshooting Chart

Trouble	Possible Cause	Corrective Action
No start condition	Gas engine not running	Check operation of gas engine
Low pressure	Air leak in safety valve	Check valve manually by pulling upward on rings. If condition persists, replace valve.
	Loose tube or fittings	Tighten fittings
	Restricted air filter	Clean or replace
	Belt loose	Adjust belt tension
	Defective check valve	Replace check valve
Safety valve releasing	Defective pressure switch or improper adjustment	Check for proper adjustment and if problem persists, replace pressure switch
Oil discharge in air	Improper oil viscosity	Replace oil with 20-30 weight non-detergent oil
	Too much oil in crankcase	Drain crankcase and fill to proper level
	Restricted air filter	Clean or replace filter
	Worn piston rings	Replace piston rings
Excessive belt wear	Belt too loose	Adjust for proper tension
	Belt too tight	Adjust for proper tension
	Motor pulley out of alignment	Align motor pulley by adjusting the position of the electric motor

During the break-in period, nuts and bolts have a tendency to loosen. After two weeks, tighten all nuts and bolts including head bolts. Check every month to make sure all nuts and bolts stay tight.

Parts Diagram



Parts List

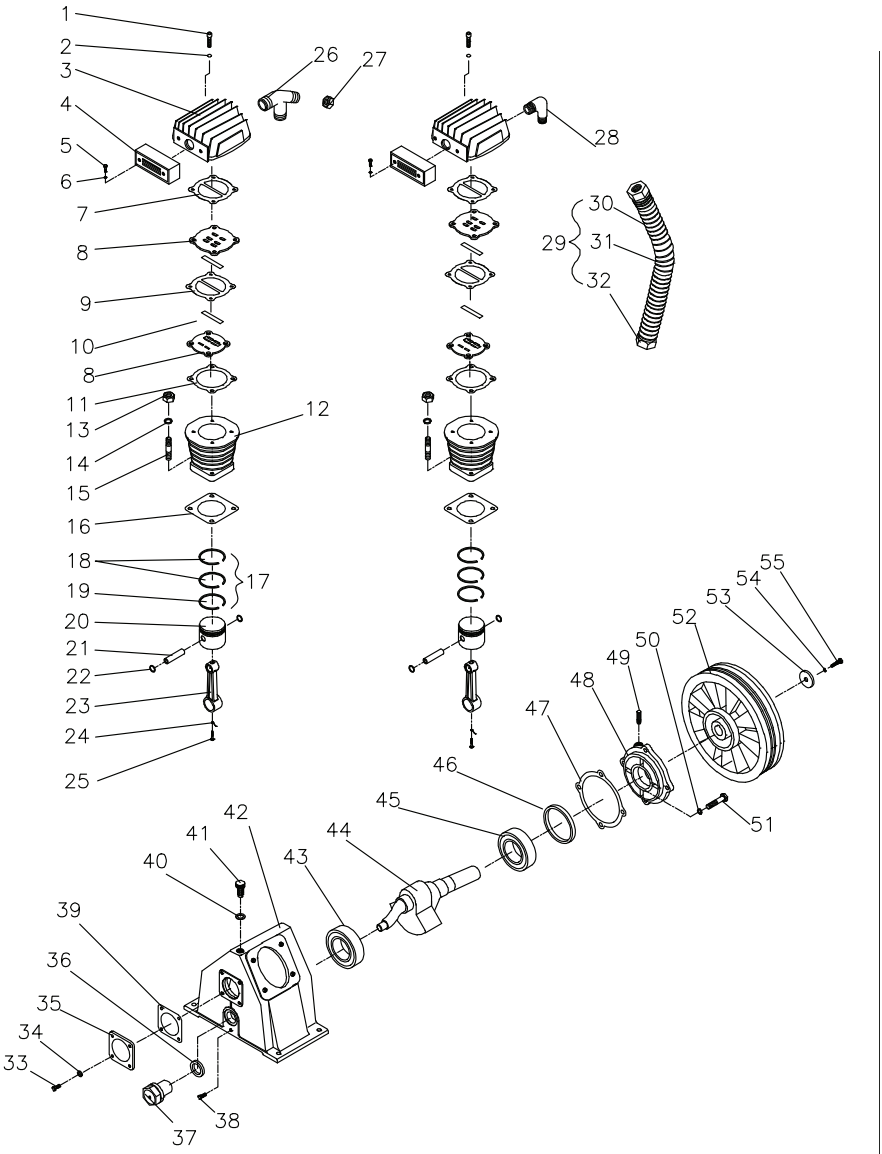
No.	Description	Qty	Part #
1	Exhaust Pipe Assembly	1	
1a	Collar	0.37M	
1b	Exhaust Pipe	1	
1c	Nut	2	
2	Safety Guard	1	
3	M5x0.8x8 Screw	3	
4	Bolt	2	
5	Spring Washer	2	
6	Washer	2	
7	Safety Guard	1	
8	V-Belt	1	42.004.005
9	Engine	1	
10	Angle Bolt	1	42.004.009
11	Motor Pulley	1	42.004.009
12	Bolt	4	
13	Spring Washer	4	
14	Angle Nut	4	
15	Pump	1	
16	Bolt	4	
17	Spring Washer	4	
18	Angle Nut	4	
19	Screw, Cross recess head	2	
20	Spring Washer	2	

No.	Description	Qty	Part #
21	Angle Nut	2	
22	Tank Wheel	1	
23	Air Tank	1	
24	Wire	1	42.004.007
25	Gas throttle line	1	42.004.007
26	Gas throttle	1	42.004.007
27	Air Connector	1	42.004.008
28	Exhaust Elbow	1	42.004.008
29	Foot Rubber Pad	4	
30	Flat Washer	4	
31	Angle Bolt	4	
32	Drain Valve	2	
33	Grip, Handle	2	
34	Manifold	1	
35	Pressure Gauge	2	
36	Coupler	2	
37	Safety valve	1	
38	Screw, Cross recess head	2	
39	Exhaust Elbow	1	
40	Exhaust Nut	1	
41	Exhaust Pipe	1	
42	Exhaust Nut	1	
43	Exhaust Elbow	1	

Parts List

No.	Description	Qty	Part #
1	In-Six Angle Bolt	8	
2	Spring Washer	8	
3	Cylinder Head	2	
4	Air Filter Assembly	2	42.004.006
5	Six Angle Bolt	4	42.004.006
6	Washer	4	42.004.006
7	Gasket, Cylinder Head	2	42.004.001
8	Valve Seat	4	
9	AI, Gasket	2	42.004.001
10	Valve Plate	4	42.004.001
11	Gasket, Cylinder	2	42.004.001
12	Cylinder	2	
13	Six Angle Nut	8	
14	Spring Washer	8	
15	Stud	8	
16	Gasket, Cylinder	2	42.004.002
17	Piston Ring Set	2	42.004.002
18	Compressor Ring	4	
19	Oil Ring	2	
20	Piston	2	
21	Piston Pin	2	
22	Piston Pin Clip	4	
23	Connecting Rod	2	
24	Splasher	2	
25	Screw,Cross recess head	2	
26	Exhaust, 3-Way	1	
27	Exhaust Nut	1	

No.	Description	Qty	Part #
28	Exhaust Elbow	1	
29	Copper Pipe Assy, Exhaust	1	
30	Cooler	1	
31	Exhaust Pipe	1	
32	Exhaust Nut	2	
33	Bolt	4	
34	Spring Washer	4	
35	Bearing Cover	1	
36	Washer, Oil Leveler	1	42.004.004
37	Oil Leveler	1	42.004.004
38	Oil Drain Plug	1	
39	Gasket, Bearing Cover	1	42.004.003
40	Oil Plug Seal	1	
41	Oil Plug	1	
42	Crankcase	1	
43	Bearing	1	
44	Crankshaft	1	
45	Bearing	1	
46	Oil Seal	1	
47	Gasket, Bearing Seat	1	42.004.003
48	Bearing Seat	1	
49	Breather	1	
50	Spring Washer	4	
51	Bolt	4	
52	Pulley	1	
53	Washer,Pulley	1	
54	Spring Washer	1	
55	Bolt	1	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If you need assistance with the assembly or operation of this Compressor please call

1-866-850-6662