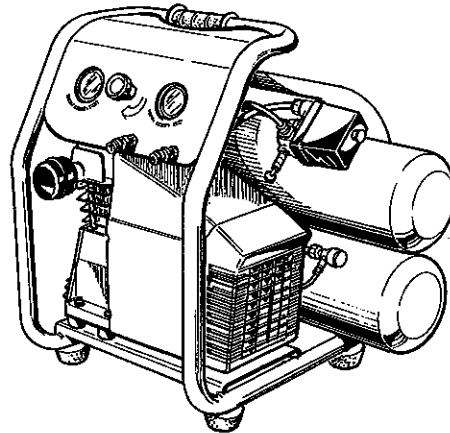


IRI[®]

OL50135

OPERATORS MANUAL



3 Peak HP / 1.5 Running HP
5 GALLON
OIL LUBRICATED
DIRECT DRIVE
AIR COMPRESSOR



WARNING:

To reduce the risk of injury, the user must read and understand the Operators Manual before using this product

Part No. OL50135OMVer.10/04

Printed in Italy

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Safety Instructions

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

Safety Signal Words

▲ DANGER: means if the safety information is not followed someone **will** be seriously injured or killed.

▲ WARNING: means if the safety information is not followed someone

could be seriously injured or killed.

▲ CAUTION: means if the safety information is not followed someone **may** be seriously injured or killed.

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 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. 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 unplug the compressor, 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 unplugged. Do NOT use if defect is found. Notify an authorized service center for examination or repair
3. Check hoses for weak or worn condition before each use, making certain all connections are secure. Do NOT use if defect is found. Notify an authorized service center for examination or repair
4. To reduce the risk of injury from electrical shock, make sure your fingers do not touch the plug's metal prongs when plugging in or unplugging the compressor

General information

▲ DANGER: This air compressor is NOT designed for and should NOT be used in breathing air applications

Safety Instructions (continued)

When Installing or Moving the Compressor

Reduce the Risk of Dangerous Environment

1. Keep work area well lighted
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 be not more than 100°F
4. Never use an electric compressor in a wet environment
5. Protect material lines and air lines from damage or puncture. Keep hose and power cable away from sharp objects, chemical spills, oil, solvents, and wet floors
6. Use only a properly grounded outlet that will accept a three-pronged plug
7. A minimum clearance of 18 inches between the compressor and a wall is required because objects could obstruct airflow
8. Compressor should be located where it can be directly plugged into an outlet. If it is not possible, an extension cord may be used if it is 3 wire/ 3 blade, a minimum of 12 gauge wire, and NOT longer than 50 feet
9. Never store flammable liquids or gases in vicinity of an operating compressor
10. Do NOT locate the compressor air inlet near steam, paint spray, sandblasting areas or any other source of contamination. The debris will damage the motor
11. To avoid loss of power and overheating, it is better to use additional air hose instead of extension cords to reach the work area

Before Each Use

Inspect your work area

1. Keep work area clean. Cluttered areas and benches invite accidents.
2. 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 unplug the compressor, 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 unplugged. Do NOT use if defect is found. Notify an authorized service center for examination or repair
3. Check hoses for weak or worn condition before each use, making certain all connections are secure. Do NOT use if defect is found. Notify an authorized service center for examination or repair
4. To reduce the risk of injury from electrical shock, make sure your fingers do not touch the plug's metal prongs when plugging in or unplugging the compressor

Follow Safety Precautions for Electrical Connection

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. Electric motors must be securely and adequately grounded. See grounding instructions and extension cord information in this manual
4. Protect power cable from coming in contact with sharp objects

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 will cause injury and/or burns

▲ WARNING: Be careful when touching exterior of compressor, pump, motor and air lines; they may be hot enough to cause injury

▲ CAUTION: Compressor parts 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 pressure rating of any component of the system
2. Release all 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 safety valve or pressure switch setting. Keep safety valve free from paint and other accumulations. This provides safety against over pressurization

Safety Instructions (continued)

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 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 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 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


▲ WARNING: Disconnect power and depressurize system before servicing air compressor. Turn pressure regulator knob fully clockwise and slightly open the lower drain valve after shutting off compressor

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. NEVER weld or drill holes in air tank
3. Clean electric or electronic 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 drain valves 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 to prevent unexpected application of power

Warning Labels

- 1 Find and read all warning labels found on the air compressor and on the oil bottle shown below

WARNING / AVERTISSEMENT / ADVERTENCIA



**HOT SURFACE: DO NOT TOUCH!
SURFACE CHAUD: NE PAS TOUCHER!
PELIGRO SUPERFICIE CALIENTE: NO TOCAR!**

**ATTENTION:
PUT OIL BEFORE PLUG IN
THE FIRST TIME, OTHERWISE YOU WILL BREAK
THE PUMP AND WARRANTY WILL NOT BE VALID**



**ATTENTION:
METTRE L'HUILE AVANT LA PREMIERE CONNEXION
AUTREMENT VOUS CASSEZ LA TÊTE, ET LA GARANTIE N'EST PAS VALIDE**



**ATENCIÓN: LLENAR DE ACEITE ANTES DE CONECTAR
LA CORRIENTE ELÉCTRICA, EN CASO CONTRARIO SE CAUSARÁ
LA ROTURA DE LA BOMBA DE ACEITE Y LA GARANTÍA PERDERÁ VALIDEZ**

**THIS COMPRESSOR IS SUPPLIED WITHOUT OIL INSIDE
CE COMPRESSEUR EST LIVRÉ SANS HUILE À L'INTÉRIEUR
ESTE COMPRESOR ES ENTREGADO SIN ACEITE**

AVVERTING	ADVERTENCIA	AVERTISSEMENT
<p>WARNING: ADD CRANKCASE OIL BEFORE STARTING. FILL THE CRANKCASE WITH LUBRICATING OIL AS RECOMMENDED IN THE OPERATOR'S MANUAL.</p>	<p>ATENCIÓN: AÑADIR ACEITE PARA EL CRANK CASE ANTES DE ENCENDERR EL MOTOR. COMO RECOMIENDAN EN SU MANUAL DEL OPERADOR.</p>	<p>ATTENTION: AJOUTER L'HUILE AVANT DE METTRE LE COMPRESSEUR EN MARCHÉ. REMPLIR LE CRANKCASE DE L'HUILE COMME RECOMMANDÉ DANS LE MANUEL DE L'UTILISATEUR.</p>
CAUTION	PRECAUCIÓN	PRECAUTION

WARNING: ADD CRANKCASE OIL BEFORE STARTING. FILL THE CRANKCASE WITH LUBRICATING OIL AS RECOMMENDED IN THE OPERATOR'S MANUAL.

ATENCIÓN: AÑADIR ACEITE PARA EL CRANK CASE ANTES DE ENCENDERR EL MOTOR. COMO RECOMIENDAN EN SU MANUAL DEL OPERADOR.

ATTENTION: AJOUTER L'HUILE AVANT DE METTRE LE COMPRESSEUR EN MARCHÉ. REMPLIR LE CRANKCASE DE L'HUILE COMME RECOMMANDÉ DANS LE MANUEL DE L'UTILISATEUR.

9028710

RIDGID

SYNTHETIC AIR COMPRESSOR OIL
CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mist.
NATIONAL PPE PROTECTION ASSOCIATION
Health.....0
Flammability.....1
Reactivity.....0
Keep container closed. Use with adequate ventilation. Wash thoroughly with soap and water after handling.
IN CASE OF SPILL OR LEAK: Do not walk on liquid in spill (e.g., dry stand or mat) that places it in a channel of water run-off. Flush runoff with water.
Dispose of this waste in accord with local, state and federal regulations.
WARNING: KEEP OUT OF REACH OF CHILDREN. Keep container tightly closed. If swallowed, do not induce vomiting. Call a physician, have a doctor.
Not recommended for use in gasoline engines.
Contains 250 ml

HUILE SYNTHÉTIQUE POUR COMPRESSEUR D'AIR
MISE EN GARDE: PEUT CAUSER IRRITATION DES YEUX, DE LA PEAU ET DES VOIES RESPIRATOIRES.
Éviter de respirer la vapeur et la pulvérisation. Éviter le contact avec la peau et les vêtements. Éviter de respirer la vapeur et la pulvérisation.
EN CAS DE DÉVERSEMENT: Ne pas marcher sur le liquide dans une fuite (p. ex., tapis ou mat) qui le dirige dans un canal de ruissellement de l'eau. Rincer le ruissellement avec de l'eau.
Éliminer ce déchet conformément aux règlements locaux, provinciaux et fédéraux.
ATTENTION: GARDER À L'ÉLOI DES ENFANTS. Garder le récipient bien fermé. En cas d'ingestion, ne pas faire vomir. Appeler un médecin.
Non recommandé pour utilisation dans les moteurs à essence.
contient 250 ml

WARNING
DRAIN TANK EVERY DAY TO PREVENT CORROSION AND POSSIBLE INJURY DUE TO TANK DAMAGE.

AVERTISSEMENT
DRAINER LE RÉSERVOIR QUOTIDIENNEMENT POUR ÉVITER LA CORROSION ET LE RISQUE DE BLESSURES CAUSÉ PAR LE DOMMAGE AU RÉSERVOIR.

AVERTISSEMENT
DRENE EL TANQUE DIARIAMENTE PARA EVITAR QUE SE OXIDE Y EL RIESGO DE HERIDAS DEBIDO A UN TANQUE DAÑADO.

TO OPEN PRESS DOWN TOP CAP
TO OPEN PRESS DOWN TOP CAP

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

Manual On/off Switch

Control on the pressure switch assembly which turns the compressor on or off. The pressure switch will not automatically start and control the compressor unless the Manual On/Off switch is in the 'On' position

Pressure Gauge

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

Pressure Regulator

Device which regulates the pressure at the compressor outlets. It is possible to increase or decrease the pressure at the outlet by adjusting the control knob of the regulator

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 the 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

Regulated Pressure Gauge

Displays the current line pressure. Line pressure is regulated by the regulator knob

Safety Valve

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

Tank Pressure Gauge

Indicates tank pressure in psi

Thermal Overload Switch

Device, integrated in the electric motor winding, which automatically 'shuts off' the compressor if the temperature of the electric motor exceeds a predetermined limit

Motor Specifications and Electrical Requirements

Power Supply and Motor Specifications

▲ 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 line with the appropriate voltage and a 15-amp branch unit. Use a 15-amp time delay type fuse or circuit breaker. To reduce the risk of shock or fire, if power cord is worn or cut, or damaged in any way, have it replaced immediately

The A-C motor used on this tool is a non-reversible type, having the following specifications

Voltage	120 V
Amperes	12.5 A
Hertz (Cycles)	60
Phase	1
RPM	3450

General Electrical Connection

▲ DANGER: To reduce the risk of electrocution:

1. Use only identical replacement parts when servicing. Servicing should be performed by a qualified service technician
2. Do not use in rain or where floor is wet

▲ WARNING: Do not permit fingers to touch the terminals of plug when installing or removing the plug to or from the outlet

120 Volt, 60 Hz. Tool Information

The plug supplied on your compressor may not fit into the outlet you are planning to use. Your local electrical code may require slightly different power cord plug connections. If these differences exist refer to and make the proper adjustments per your local code before your tool is plugged in and turned on.

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This compressor is equipped with an electric cord having an equipment-grounding conductor and a grounding plug.

The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified technician.

Unpacking and Checking Carton Contents

Unpacking

Separate compressor and all parts from packing materials and check each one with the illustration and the "List of Loose Parts" to make sure all items are accounted for before discarding any packing material.

Call 1-800-4-RIDGID or E-mail us at www.ridgidparts.com if any parts are damaged or missing

⚠ DANGER: Do not operate unit if damaged during shipping, handling or use. Damage may result and cause personal injury or property damage

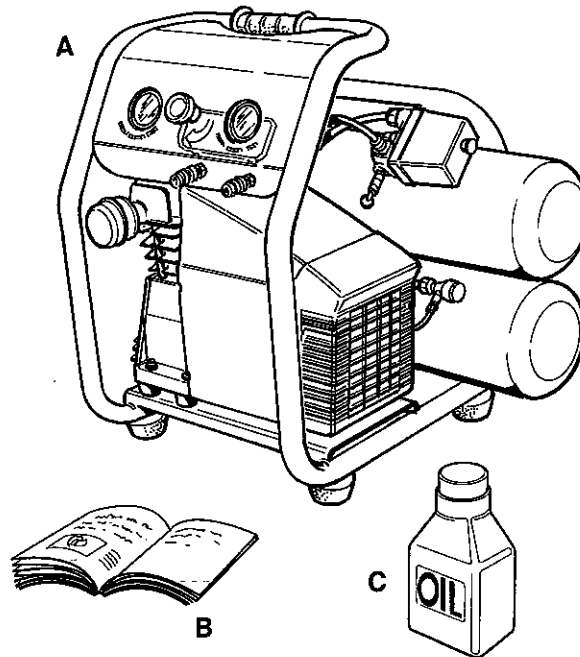
⚠ WARNING: If any parts are missing, do not attempt to use the compressor, plug in the power cord or turn the switch on until the missing parts are obtained and are installed correctly

⚠ WARNING: For your own safety, never connect plug to power source outlet until all assembly steps are complete, and you have read and understood the safety and operating instructions

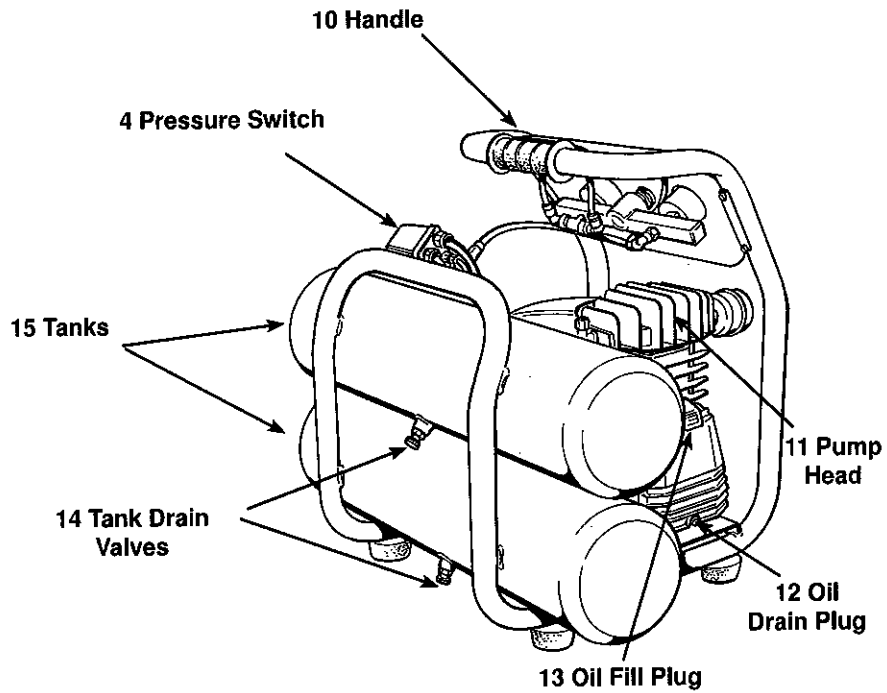
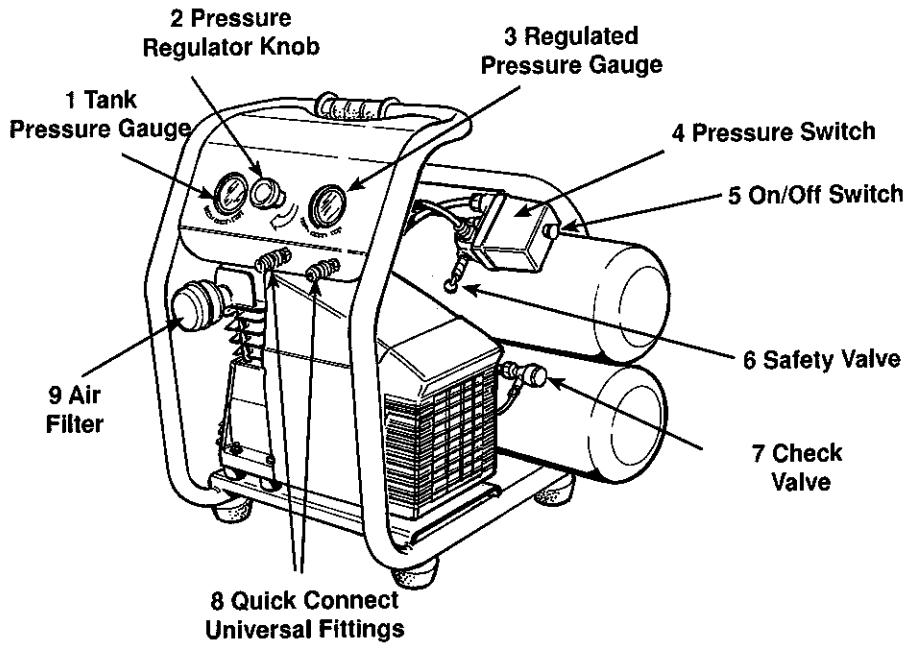
Dispose of desiccant bags in compliance with local regulations

List of loose parts

Item	Part Name	Qty
A	Compressor	1
B	Operator's Manual	1
C	Oil	1



Getting To Know Your Compressor



1. Tank Pressure Gauge

This gauge shows pressure in air tank indicating compressor is building pressure properly

2. Pressure Regulator Knob

- a. This knob controls air pressure to an air operated tool or paint spray gun
- b. Turn clockwise to increase air pressure at outlet. When desired pressure is reached, push knob down to lock setting
- c. To lower air pressure at outlet, pull knob before turning counterclockwise, push down to lock setting

▲ WARNING: When maximum pressure is indicated on the regulated pressure gauge, do not turn the pressure regulator knob. Turning the pressure regulator knob could cause the regulator to malfunction

3. Regulated Pressure Gauge

- a. This gauge shows at-a-glance, air pressure at outlet. Air pressure is measured in pounds per square inch (PSI)
- b. Be sure this gauge reads ZERO before changing air tools or disconnecting hose from outlet

4. Pressure Switch

The pressure switch has two functions:

- a. Manual ON/OFF
- b. In automatic cycle, it stops the pump when the pressure reaches 135 PSI. It restarts the pump when the pressure reaches approximately 105 PSI

5. ON/OFF Switch

- a. Pull switch out to ON position to start the compressor
- b. Push switch in to OFF position to STOP the compressor

- c. Turn the switch to OFF position when connecting or disconnecting power cord from electrical outlet or when changing air tools

6. Safety Valve

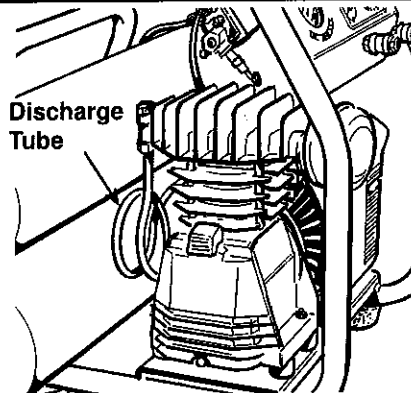
This valve automatically releases air if air pressure exceeds preset maximum settings

▲ DANGER: Do not attempt to tamper with safety relief valve

Discharge Tube

This discharge tube carries compressed air from the pump to the tanks

▲ CAUTION: The discharge tube becomes very hot during use



Wiring

General Information

- Local electric wiring codes differ from area to area. Source wiring, plug and protector must be rated for at least the amperage and voltage indicated on nameplate and must meet all electrical codes for this minimum
- Use a slow blow fuse type T or a circuit breaker at the power source

⚠ CAUTION: Overheating, short circuit and fire damage will result from inadequate wiring

For optimum operation check that:

1. No other electrical appliances or

lights are connected to the same branch circuit

2. Voltage supply is normal
3. Extension cords are of the minimum gauge specified in the instruction manual
4. Circuit is equipped with a 15 amp circuit breaker or a 15 amp slow blow fuse type T
5. If above conditions cannot be met or if nuisance tripping of current protection device occurs, it may be necessary to operate compressor from a properly wired 115V, 20 amp circuit

Grounding

⚠ DANGER: Improper use of grounding plug can result in a possible risk of electrical shock!

- Compressor should be grounded. In the event of an electrical short circuit, grounding reduces risks of electrical shock by providing an escape wire for electric current. This product is equipped with a cord having a grounding wire with appropriate grounding plug. Plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances
- If repair or replacement of cord or

plug is necessary, do not connect grounding wire to either flat blade terminal. The wire insulation jacket that is green with or without yellow stripes is the grounding wire

- Check with a qualified electrician or serviceman if grounding instructions are not completely understood, or if in doubt as to whether product is properly grounded. Do not modify plug provided; if it will not fit outlet, have proper outlet installed by a qualified electrician

⚠ WARNING: Never connect green (or green and yellow) ground wire to a live terminal!

Extension Cords

It is recommended that an additional air hose length be used instead of an extension cord to avoid power loss and permanent motor damage. If it is not possible,

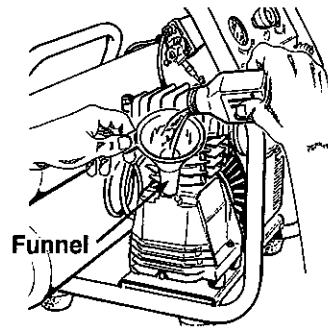
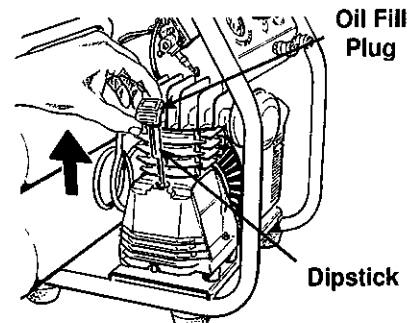
an extension cord may be used if it is 3 wire / 3 blade, a minimum of 12 gauge wire, and NOT longer than 50 feet.

Assembly

BEFORE operating your compressor, complete the following assembly step

Fill Pump with Oil

- Remove the oil fill plug (13)
- Use a funnel to pour oil into the filler sleeve
- Use the oil (C) found in the package (**Synthetic SAE-5W40**)
Avoid too much oil! Ensure that the level of the oil does not exceed the maximum reference level on the dipstick
- Check the oil level, making sure that it is between MIN and MAX reference levels on the dipstick
- Replace the oil fill plug (13)

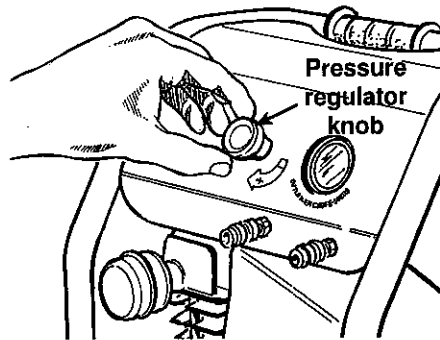


Operating Your Compressor

For trouble-free operation read and follow the information below

For the First Time

- 1 Add the oil into the compressor, as described in the "Assembly Section"
- 2 Turn the pressure regulator knob (2) fully clockwise to open air flow (lift knob to adjust, push down to lock)
- 3 Push switch (5) in to OFF position and plug in power cord
- 4 Open both drain valves (14) completely
- 5 Pull switch (5) out to ON position and run unit for 10 minutes
- 6 Allow a new compressor to run for at least 10 minutes to break in the pump parts
- 7 Push in switch (5) to OFF position
- 8 Close drain valves (14)

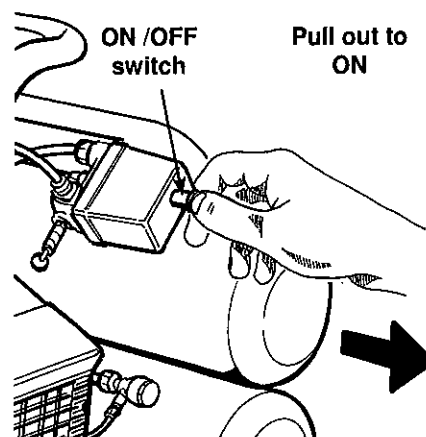
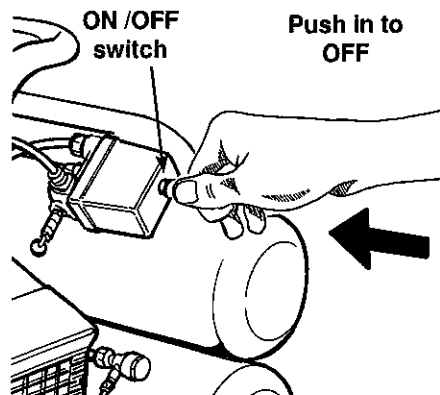


For Everyday Operation

- 1 Turn the pressure regulator knob (2) fully clockwise to open air flow (lift knob to adjust, push down to lock)
- 2 Push switch (5) in to OFF position and plug in power cord
- 3 Make sure switch is in OFF position when connecting or disconnecting cord from electrical outlet or when changing air tools

⚠ WARNING: Be sure that the regulated pressure gauge (3) reads ZERO before changing air tools or disconnecting hose from outlet, turning completely counterclockwise the Pressure Regulator Knob (2)

- 4 Pull switch (5) out to ON position
- 5 Turn the pressure regulator knob (2), until the requested pressure is



reached, to control the air pressure to an air-operated tool or paint spray gun

▲ WARNING: When maximum pressure is indicated on the regulated pressure gauge, do not turn the pressure regulator knob again. Excessive turning of the pressure regulator knob could cause the regulator to malfunction

6 Push switch (5) in to OFF position

Thermal Overload Protection

▲ WARNING: This compressor is equipped with an automatic reset thermal overload protector, which will shut off motor if it becomes overheated

If thermal overload protector shuts OFF frequently, look the following causes

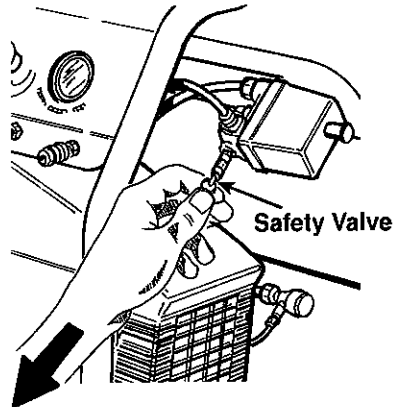
- a. Low voltage
- b. Wrong gauge wire or length of extension cord
- c. Lack of proper ventilation around the compressor

Maintenance

Before servicing

⚠ WARNING: Release all pressure and disconnect power before attempting to install, service, relocate, or perform any maintenance. Allow compressor to cool a minimum of 20 minutes

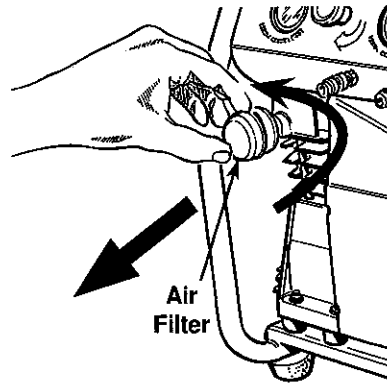
1. Check compressor for any visible problems and follow the maintenance procedures each time the compressor is used
2. Pull ring on safety valve (6) to bleed air from tank and allow it to snap back to normal position



Air Filter

It's necessary to replace the air filter (9) everytime the machine performance gets low and the air delivery is much lower than it used to be (clogging of the air filter reduces compressor performance and an inefficient filter causes increased wear).

- To replace the air filter turn the old one counterclockwise and remove it. Insert the new filter and hand tighten by turning clockwise

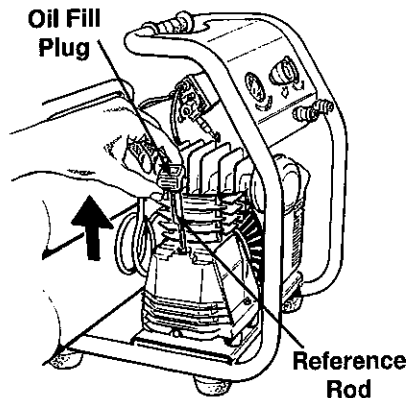


Lubrication

NOTE: Always review the section "Assembly" before proceeding with this section

To Check the Oil Level

1. It's necessary to inspect the oil level **before every use** of the compressor. Compressor must be off for at least thirty minutes before checking oil level
2. Inspect the level on the dipstick and if



necessary add oil (See "**Assembly/ Fill Pump with Oil**" section of this manual)

3. Maximum level is reached when the oil reaches the MAX level reference on the dipstick
4. **Never let the oil drop to a level lower than MIN**

Adding Oil

When the oil level is low, it's necessary to add oil; proceed as follows:

1. Remove the oil fill plug (13)
2. Use a funnel to pour oil into the fill hole
3. Use only synthetic oil **SAE 5W40** to refill
Avoid too much oil! Ensure that the level of the oil does not exceed the maximum reference level on the dipstick
4. Replace the oil fill plug (13)

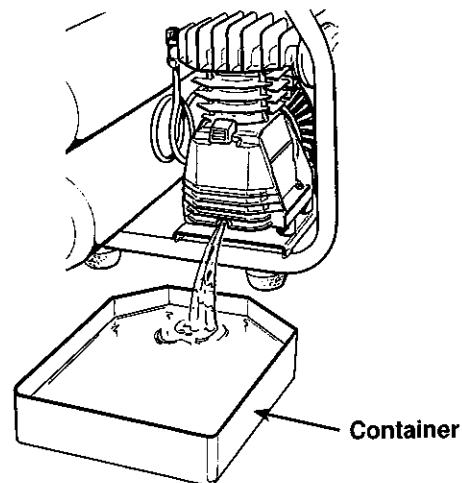
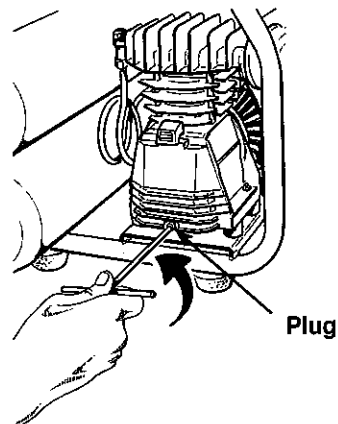
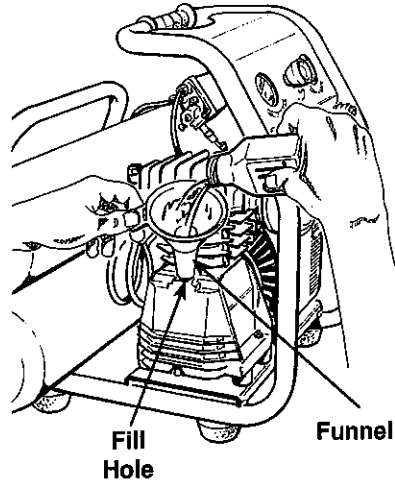
To Change the Oil

Replace the oil after the first 100 hours of operation and every 300 hours after that; proceed as follows:

1. Use a suitable container to collect waste oil
2. Remove the plug (12) with a 3/16" hex wrench

Remember that waste oil and condensate are polluting materials. Dispose of those products in compliance with local regulations

3. After draining reinstall the plug (12) and tighten with a 3/16" hex wrench
4. Remove the oil fill plug (13)
5. Use a funnel to pour oil into the fill hole
6. Use only synthetic oil **SAE 5W40** to refill
7. After filling, replace the oil fill plug (13)



Maintenance (continued)

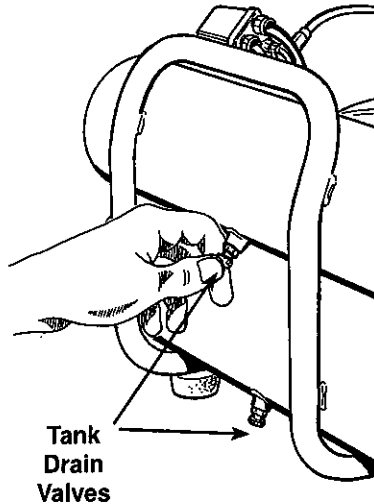
To Drain Condensate

Drain daily the condensate that forms inside the tanks due to the humidity in the air. This protects the tanks from corrosion and will not restrict the air tanks capacity.

1. Use a suitable container to collect condensate
2. Turn tank drain valves (14) counter-clockwise to open

Remember that waste oil and condensate are polluting materials. Dispose of those products in compliance with local regulations

3. After draining, turn the tank drain valves clockwise to close. Be sure tank drain valves are tight before operating compressor



After servicing

1. When not in use, hose and compressors should be stored in a cool dry place
2. Tanks should be drained of condensate

3. Air hose should be disconnected and hung with the open ends down to allow any moisture to drain

Maintenance Schedule

Operation	Daily	Weekly
Drain Tank	•	
Check Air Filter		•
Check Safety Valve		•
Blow Dirt From Inside Motor		•

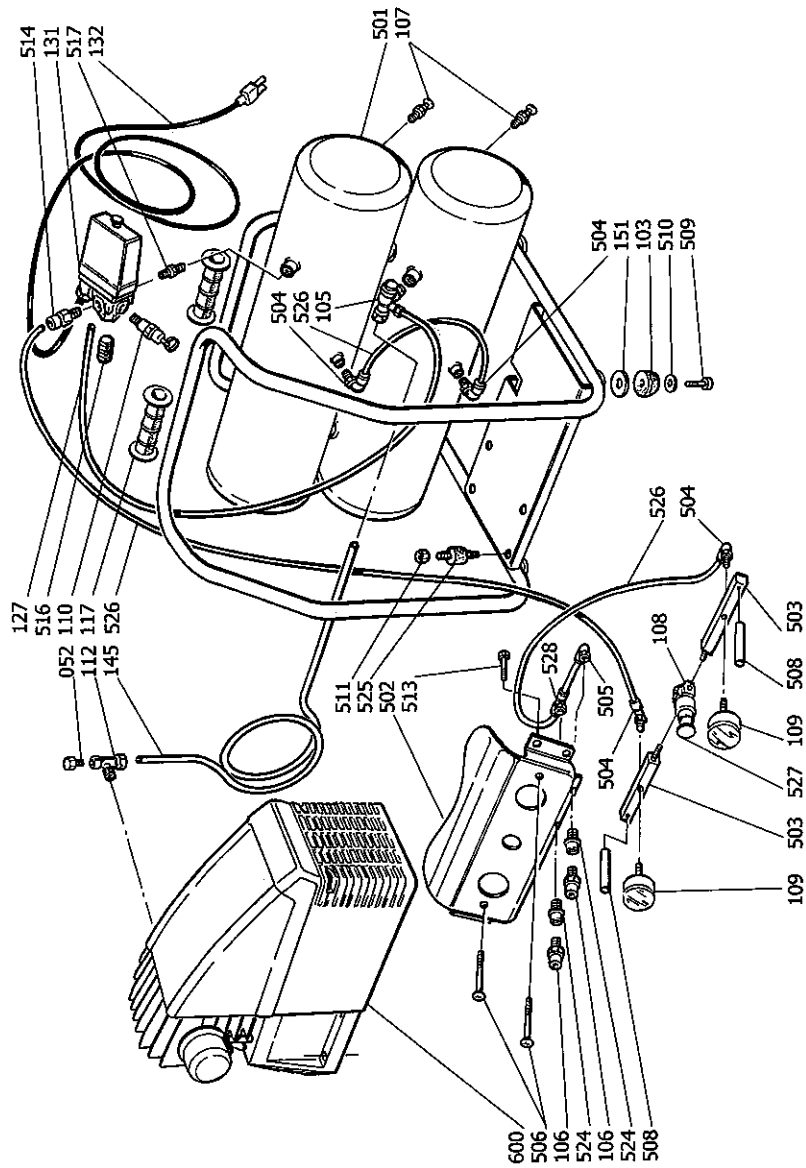
Troubleshooting

⚠ WARNING: For your own protection, release all pressure and disconnect power before troubleshooting. Allow compressor to cool a minimum of 20 minutes

TROUBLE	PROBABLE CAUSE	REMEDY
Compressor will not run	<ol style="list-style-type: none"> 1. No electrical power 2. Blown fuse 3. Breaker open 4. Thermal overload open 5. Pressure switch bad 	<ol style="list-style-type: none"> 1. Check if the machine is plugged in. Check fuse/breaker 2. Replace blown fuse 3. Reset, determine why problem occurred 4. Motor will automatically restart when cool 5. Have authorized service representative repair unit
Motor hums but cannot run or runs slowly	<ol style="list-style-type: none"> 1. Low voltage 2. Shorted or open motor winding 3. Defective check valve or unloader 4. Piston may have seized in cylinder due to improper lubrication 	<ol style="list-style-type: none"> 1. Check with voltmeter 2. Have authorized service representative repair unit 3. Have authorized service representative repair unit 4. Have Authorized Service Center examine unit to determine if repairable.
Fuses blow/circuit breaker trips repeatedly	<ol style="list-style-type: none"> 1. Incorrect size fuse 2. Circuit overloaded 	<ol style="list-style-type: none"> 1. Check for proper fuse, use time delay fuse. 2. Disconnect other electrical appliances from circuit or operate compressor on its own branch circuit
Thermal overload protector cuts out repeatedly	<ol style="list-style-type: none"> 1. Low voltage 2. Lack of proper ventilation/ room temperature too high 	<ol style="list-style-type: none"> 1. Check with voltmeter 2. Move compressor to a well-ventilated area. Make sure the vents in the motor cover are clear

TROUBLE	PROBABLE CAUSE	REMEDY
Excessive moisture in discharge air	1. High humidity	1a. Move to area with less humidity 1b. Empty any fluid in tank
Air receiver pressure drops when compressor shuts off	1. Loose connections (fitting, tubing, etc.) 2. Loose drain lock 3. Check valve leaking	1. Check all connections with soap and water solution and tighten 2. Tighten 3. Have authorized service representative repair unit
Compressor runs continuously	1. Defective pressure switch 2. Excessive air usage 3. Discharge valve (052) leaking	1. Have authorized service representative repair unit 2. Decrease air usage; compressor not large enough for a requirement 3. Clean / Replace valve
Compressor vibrates	1. Loose mounting bolts	1. Tighten
Air output lower than normal	1. Broken reeds 2. Connections leaking 3. Dirty filter	1. Have authorized service representative repair unit 2. Tighten connections 3. Replace filter

Repair Parts



Repair Parts

For Repair Parts, Call 1-800-4-RIDGID or go to www.ridgidparts.com

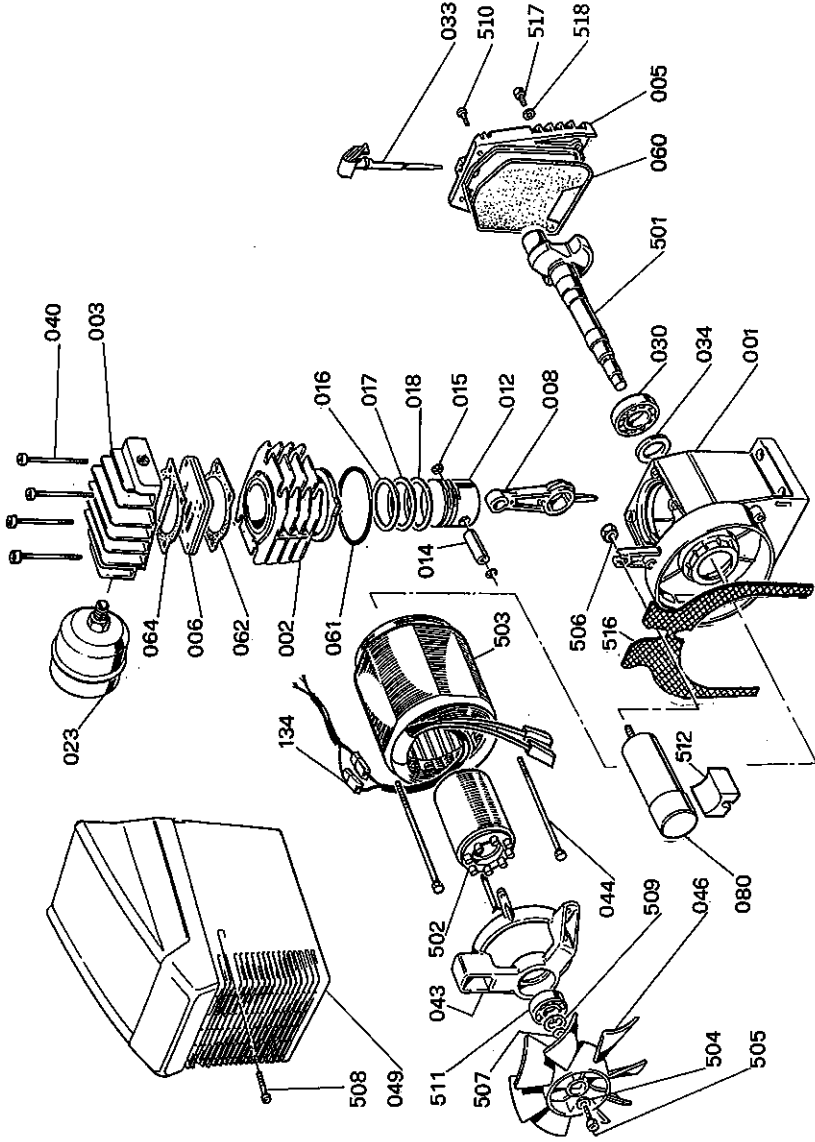
Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

Key No	Part Number	RTC Part Number	Descriptions	Qty
052	9053555	17353	Discharge valve 1/4"M 1,2 bar	1
103	9038197	17438	Antivibration pads	4
105	9048053	17418	Non return valve	1
106	9047058	17498	Coupling 3/8"	2
107	9050394	17428	Drain tap 1/4" NPT	2
108	9051119	17468	Pressure reducer A	1
109	9052095	17483	Pressure gauge 50 1/4"	2
110	9049100	17378	Safety valve ASME 1/4" 145 PSI	1
112	9053552	17358	Elbow connection 3/8"M 1/4"F	1
117	9038218	17373	Rubber handle	2
127	9270006	17388	Rilsan tube 4/6	1.5 ft
131	9063087	17398	Pressure switch 3/8"	1
132	9085313	17408	Cord with plug 3AWG14 UL	1
145	9043069	17363	Discharge tube	1
151	9083349	17433	Washer	4
501	9080386	17423	Air tank	1
502	9083882	17518	Control panel	1
503	9050393	17473	Gauge manifold	2
504	9053583	17413	Elbow connection	4
505	9050349	17453	Elbow connection	1
506	9104125	17503	Screw TBEI 6X60	2
508	9050430	17478	Spacer	2
509	9107334	17448	Screw TE 8X25	4
510	9131540	17443	Washer 9X24	4
511	9122333	17528	Nut M8	4
513	9107256	17513	Screw TE 6X16	4
514	9053399	17393	Quick coupling 1/4"M X 8	1
516	9053067	17383	Plug 3/8"	1
517	9053138	17403	Double screw 1/4"	1

Key No	Part Number	RTC Part Number	Descriptions	Qty
524	9050432	17493	Reduction 3/8"F - NPT 1/4"M GAS	2
525	9038176	17523	Antivibration pads M8	4
526	9270026	17368	Rilsan tube 6/8	3 ft
527	9038212	17488	Pressure reducer knob	1
528	9050438	20493	Connection T 1/4" M X 8	1
600	7100068KLA001	17508	Pump	1
	9280020	20498	Synthetic oil, SAE 5W40	8.8 oz

Repair Parts



Repair Parts

For Repair Parts, Call 1-800-4-RIDGID or go to www.ridgidparts.com

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

Key No	Part Number	RTC Part Number	Descriptions	Qty
001	7161100	17228	Crankase	1
002	1730000	17328	Cylinder	1
003	1761402	17148	Pump head	1
005	7161300	17203	Crankase cover	1
006	0540051	17338	Valve plate assy.	1
008	7110100	17178	Connecting rod	1
012	692110B	17173	Piston	1
014	6521200	17233	Pin 12X36	1
015	9140020	17168	Circlip 12 UNI 7437	2
016	9020039	17153	Piston ring AC 48X1,5	1
017	9020051	17158	Piston ring ROS 48X1,5	1
018	9020068	17163	Piston ring ROF 48X3	1
023	9054012	17348	Filter	1
030	9170030	17218	Bearing 6205	1
033	9024030	17183	Oil fill plug	1
034	9163010	17223	Oil seal	1
040	9011048	17143	Screw TCEI M6X120	4
043	6562203	17308	Motor cover	1
044	9011041	17273	Motor bolts M5X115	3
046	9038159	17263	Fan	1
049	830180E	17298	Cover	1
060	7150100	17208	Crankase - Cover gasket	1
061	9040009	17323	O ring gasket 3262 NBR/70	1
062	7150300	17333	Cylinder - Plate gasket	1
064	6750400	17343	Plate - Head gasket	1
080	9067038	17258	Capacitor	1
134	9065304	17318	Motor cable	1
501	7861200	17213	Crankshaft	1
502	9067227	17313	ROTOR	1
503	9067437	17238	Motor stator HP2 V120/60	1
504	9004004	17278	Washer 8,5X21X3	1

Key No	Part Number	RTC Part Number	Descriptions	Qty
505	9101314	17283	Screw TCEI 8X25	1
506	9122044	17243	Nut M8	1
507	9134370	17288	Toothed washer 14	1
508	9142571	17303	Screw parker AB 4,2X50	2
509	9140160	17268	Circlip 17 UNI 7436	1
510	9142592	17188	Screw parker AB 3,9X16	4
511	9170091	17293	Bearing 6203 2Z	1
512	9038122	17253	Support capacitor	1
516	9083881	17248	Protection grid	1
517	9101034	17193	Screw TCEI 6X10	1
518	9162020	17198	Washer 6,5X12X1,5 AL	1



RIDGID® AIR COMPRESSOR LIMITED THREE-YEAR WARRANTY

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WHAT IS COVERED UNDER THE LIMITED THREE YEAR WARRANTY

This warranty covers all defects in workmanship or materials in this RIDGID air compressor for the three-year period from the date of purchase. This warranty is specific to this air compressor. Warranties for other RIDGID products may vary.

HOW TO OBTAIN SERVICE

To obtain service for this RIDGID air compressor you must return it, freight prepaid, to a service center authorized to repair RIDGID air compressors. You may obtain the location of the service center nearest you by calling (toll free) 1-800-4-RIDGID or by logging on to the RIDGID website at www.ridgid.com. When requesting warranty service, you must present the proof of purchase documentation, which includes a date of purchase. The authorized service center will repair any faulty workmanship, and either repair or replace any defective part, at Abac's option at no charge to you.

WHAT IS NOT COVERED

This warranty applies only to the original purchaser at retail and may not be transferred. This warranty does not cover normal wear and tear or any malfunction, failure or defect resulting from misuse, abuse, neglect, alteration, modification or repair by other than a service center authorized to repair

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