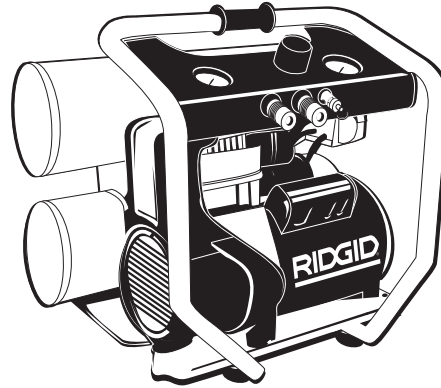


RIDGID[®]

**OF45150
OPERATOR'S MANUAL**



**TWIN STACK
PORTABLE AIR
COMPRESSOR**

⚠WARNING:

To reduce the risk of injury, the user must read and understand the Operator's Manual before using this product.

IN610301AV 6/04

Printed in U.S.A.

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Safety Instructions

This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

Safety Signal Words

⚠ DANGER: Danger indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

⚠ WARNING: Warning indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

⚠ CAUTION: Caution indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.

NOTICE: Notice indicates important information, that if not followed, may cause damage to equipment.

Before Using the Air Compressor

Air compressors are utilized in a variety of air system applications. Because air compressors and other components (material pump, spray gun, filters, lubrications, hoses, etc.) used make up a high pressure pumping system, the following safety precautions should be observed at all times. Only persons well acquainted with these rules of safe operation should be allowed to use the air compressor.

3. Do not exceed pressure rating of any component in system.
4. 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.
5. Never point a spray gun at oneself or any other person. Accidental discharge may result in serious injury.
6. Check hoses for weak or worn condition, before each use, making certain all connections are secure; do not use if deficiency is found. Notify an authorized service facility for examination or repair.
7. Release all pressures within system slowly; dust and debris may be harmful.

⚠ WARNING:

All electrical work should be done by a qualified (licensed or certified) electrician. On a properly wired circuit, the black wires supply a voltage potential even when the unit is off.

1. Read instruction manuals for each component carefully, before attempting to assemble, disassemble or operate your particular system.
2. Wear safety glasses (meeting ANSI Z87.1 or in Canada CSA Z94.3-99) and use hearing protection when operating the pump or unit. Everyday glasses are not safety glasses.

⚠ WARNING:

Disconnect power and depressurize system before servicing air compressor! (Turn pressure regulator knob fully clockwise after shutting off compressor.)

Safety Instructions (continued)

8. Follow all local electrical and safety codes, as well as the National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).
9. Wiring and fuses should follow electrical codes, current capacity, and be properly grounded.
10. Electric motors must be securely and adequately grounded. See grounding instructions and extension cord information in this manual.
11. Always disconnect power source before working on or near a motor, or its connected load. If power disconnect point is out-of-sight, lock it in the open position and tag to prevent unexpected application of power.
12. Guard all moving parts; keep visitors away. Never allow children in work area.
13. Use only a properly grounded outlet that will accept a three pronged plug, and wear shoes to prevent shock hazards.
14. Be careful when touching exterior of operating motor; it may be hot enough to cause injury.
15. Protect power cable from coming in contact with sharp objects.
16. Clean electrical or electronic equipment with an approved cleaning agent, such as dry, nonflammable cleaning solvent.
17. To avoid spontaneous combustion, discard waste rags into approved metal waste cans.
18. Never store flammable liquids or gases in vicinity of compressor.
19. When spraying with solvent of toxic chemicals, follow instructions provided by the chemical manufacturer.
20. Spray in a well ventilated area, to keep fumes from collecting and causing health and fire hazards.
21. 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.
22. Use a respirator when spraying.
23. NEVER reset safety valve or pressure switch. Keep safety valve free from paint and other accumulations. This provides safety against over pressure.
24. Do regular maintenance; keep all nuts, bolts, and screws tight, to be sure equipment is in safe working condition .
25. Keep cleaning rags and other flammable waste materials in a tightly closed metal container and dispose of later in the proper fashion.
26. Drain tanks of moisture after each day's use. If unit will not be used for a while, it is best to leave 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.
27. 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.

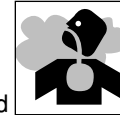
Spraying Precautions

⚠WARNING:

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



1. Do not smoke when spraying paint, insecticides, or other flammable substances.
2. Use a face mask/respirator when spraying and spray in a well ventilated area to prevent health and fire hazards.



3. 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.
4. When spraying or cleaning with solvents or toxic chemicals, follow the instructions provided by the chemical manufacturer.

⚠DANGER:

Breathable Air Warning

This compressor/pump is not equipped and should not be used “as is” to supply breathing quality air. For any application of air for human consumption, the air compressor/pump will need to be fitted with suitable in-line safety and alarm equipment. This additional equipment is necessary to properly filter and purify the air to meet minimal specifications for Grade D breathing as described in Compressed Gas Association Commodity Specification G 7.1 - 1966, OSHA 29 CFR 1910. 134, and/or Canadian Standards Associations (CSA).

DISCLAIMER OF WARRANTIES

In the event the compressor is used for the purpose of breathing air application and proper in-line safety and alarm equipment is not simultaneously used, existing warranties shall be voided, and Campbell Hausfeld disclaims any liability whatsoever for any loss, personal injury or damage.

Safety Instructions (continued)

Warning Labels

Find and read all warning labels found on the air compressor shown below

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

⚠ AVERTISSEMENT
PURGER LE RESERVOIR QUOTIDIENNEMENT AFIN D'EVITER LA CORROSION ET LE RESQUE DE BLESSURES CAUSE PAR LE DOMMAGE AU RESERVOIR

⚠ ADVERTENCIA
DRENE EL TANQUE DIARIAMENTE PARA EVITAR QUE SE OXIDE Y EL RIESGO DE HARIDAS DEBIDO A UN TANQUE DANADO.



VALVE BELOW
AOUPEAU C-DESSOUS
VALVULA ABAJO

TO OPEN
POUR OUVRIR
PARA ABIR

DK724200AV 1003

⚠ WARNING	⚠ AVERTISSEMENT	⚠ ADVERTENCIA
<p>• READ INSTRUCTION MANUAL BEFORE OPERATING.</p> <p>• RISK OF FIRE OR EXPLOSION - DO NOT SPRAY COMBUSTIBLE/FLAMMABLE LIQUID IN A CONFINED AREA. SPRAY AREA MUST BE WELL VENTILATED. DO NOT SMOKE WHILE SPRAYING OR SPRAY WHERE SPARK OR FLAME IS PRESENT. ARCING PARTS - KEEP COMPRESSOR AT LEAST 20 FEET AWAY FROM SPRAYING AREA AND ALL EXPLOSIVE VAPORS.</p>	<p>• LIRE LE MANUEL D'UTILISATION AVANT DE FAIRE FONCTIONNER LE MODELE.</p> <p>• RISQUE D'INCENDIE OU D'EXPLOSION - NE PAS PULVERISER LES LIQUIDES COMBUSTIBLES/INFLAMMABLES DANS UN ENDOIT CLOS. L'ENDROIT DE PULVERISATION DOIT ETRE BIEN VENTILE. NE PAS FUMER PENDANT LA PULVERISATION NI PULVERISER DANS L'ENDROIT D'UNE FLAMME OU D'UNE ETINCELLE. PIÈCES QUI PROJETENT DES ETINCELLES - GARDER LE COMPRESSEUR AU MOINS 6.1 M. DE L'ENDROIT DE PULVERISATION ET DE TOUTES VAPEURS EXPLOSIVES.</p>	<p>• LEA EL MANUAL DE INSTRUCCIONES ANTE DE OPERAR.</p> <p>• RIESGO DE INCENDIO O EXPLOSION - NO ROCE LIQUIDOS COMBUSTIBLES/INFLAMMABLES EN UN AREA ENCERRADA. EL AREA DE TRABAJO DEBE ESTAR BIEN VENTILADA. NO FUME MIENTRAS ESTE ROCIANDO NI ROCE CERCA DE CHISPAS O LLAMAS. PIEZAS QUE PRODUCEN ARCOS ELECTRICOS/MANTIENGA EL COMPRESOR AL MENOS A 6.1 M. DE DISTANCIA DEL AREA DONDE ESTE ROCIANDO O DE DONDE HAYA CUALQUIER TIPO DE VAPORES EXPLOSIVOS.</p>
<p>• RISK OF INJURY - DO NOT DIRECT AIR STREAM AT BODY. USE EYE PROTECTION. COMPRESSOR STARTS AUTOMATICALLY. MOVING PARTS. DO NOT TOUCH. KEEP GUARDS IN PLACE. COMPRESSOR DOES NOT SUPPLY BREATHABLE AIR.</p>	<p>• RISQUE DE BLESSURE - NE PAS DIRIGER LE JET D'AIR VERS VOTRE CORPS. UTILISER LA PROTECTION OCULAIRE. LE COMPRESSEUR SE DEMARRE AUTOMATIQUEMENT. PIÈCES MOBILES NY TOUCHEZ PAS. GARDER LES APPARELS PROTECTEURS EN PLACE. LE COMPRESSEUR NE FOURNIT PAS DE L'AIR RESPIRABLE.</p>	<p>• RIESGO DE HERIDAS - NO DIRIJA EL FLUJO DE AIRE DIRECTAMENTE AL CUERPO. PROTEJASE LA VISTA. EL COMPRESOR SE ENCIENDE AUTOMATICAMENTE. PIEZAS QUE SE MOUEVEN. NO LAS TOQUE. MANTENGALAS PROTEGIDAS. EL COMPRESOR NO LE SUMINISTRA AIRE RESPIRABLE.</p>
<p>• RISK OF BURSTING - DO NOT ADJUST REGULATOR TO RESULT IN OUTPUT PRESSURE GREATER THAN MARKED MAXIMUM PRESSURE OF ATTACHMENT IF A REGULATOR HAS NOT BEEN INSTALLED. USE ONLY ATTACHMENT RATED AT 200 PSI OR HIGHER. DO NOT WELD ON OR REPAIR TANK - REPLACE. DO NOT OPERATE WITHOUT PROPER ASME SAFETY VALVE IN PLACE.</p>	<p>• RISQUE D'ÉCLATEMENT - NE PAS AJUSTER LE REGULATER AFIN D'OBTENIR UNE PRESSION DE DECHARGE PLUS ELEVEE QUE LA PRESSION MAXIMUM DE L'ACCESSOIRE. S'IL NY A PAS DE REGULATER, UTILISER SEULEMENT LES ACCESSOIRES QUI SONT CLASSIFIES A 1379 kPa OU PLUS. NE PAS SOUDER SUR NI REPARER LE RESERVOIR - LE REMPLACER. NE PAS FAIRE FONCTIONNER SANS QU'IL Y AIT UNE SOUPEAU DE SURETE ASME EN PLACE.</p>	<p>• RIESGO DE EXPLOSION - NO AJUSTE EL REGULADOR PARA OBTENER UNA PRESSION DE SALIDA SUPERIOR A LA INDICADA COMO PRESSION MAXIMA DEL ACCESORIO. SI NO HA INSTALADO UN REGULADOR, USE SOLO ACCESORIOS DISENADOS PARA PRESIONES DE 13.8 BAR O MAS. NO SUELDE NI REPARE EL TANQUE - REEMPLAZALO. NO LO OPERE SIN HABERLE INSTALADO UNA VALVULA DE SEGURIDAD ASME ADECUADA.</p>
<p>• RISK OF ELECTRICAL SHOCK - HAZARDOUS VOLTAGE. DISCONNECT FROM POWER SOURCE BEFORE SERVICING. COMPRESSOR MUST BE GROUNDED. DO NOT USE GROUNDING ADAPTORS. DO NOT EXPOSE TO RAIN, STORE INDOORS.</p> <p>IF CONNECTED TO A CIRCUIT PROTECTED BY FUSES, USE TIME-DELAY FUSE MARKED "D".</p> <p>COMPLIES WITH CCR462 (L)(2).</p>	<p>• RISQUE DE SECOURSÉ ELECTRIQUE - TENSION HAZARDEUSE. DEBRANCHER DE LA SOURCE DE PUISSANCE AVANT DE PROCEDER A L'ENTRETIEN. LE COMPRESSEUR DOIT ETRE MIS A LA TERRE. NE PAS UTILISER DES ADAPTEURS DE MISE A LA TERRE. NE PAS EXPOSER A LA PLUIE. L'ENTREPOSER A L'INTERIEUR.</p> <p>SI BRANCHE A UN CIRCUIT PROTEGE PAR DES FUSIBLES, UTILISER UNE FUSIBLE A RETARDEMENT MARQUEE "D".</p> <p>SE CONFORME AU CCR462 (L)(2).</p>	<p>• RIESGO DE CHOQUE ELECTRICO - VOLTAJE PELIGROSO. DESCONECTELO DEL TOMACORRIENTES ANTES DE DARLE SERVICIO. EL COMPRESOR SE DEBE CONECTAR A TIERRA. NO USE ADAPTADORES PARA CONECTARLO A TIERRA. NO LO DEJE A LA INTemperIE. ALMACENALO BAJO TECHO.</p> <p>SI LO CONECTA A UN CIRCUITO PROTEGIDO CON FUSIBLES, USE FUSIBLES DE ACCION RETARDADA TIPO "D".</p> <p>CUMPLE CON LAS ESPECIFICACIONES CCR462 (L)(2). DK724200AV 1003</p>

Motor Specifications and Electrical Requirements

Power Supply and Motor Specifications

⚠ WARNING:

To reduce the risk of electrical hazards, fire hazards or damage to the tool, use proper circuit protection. Your tool is wired at the factory for operation using the voltage shown. Connect tool to a power line with the appropriate voltage and a 15-amp branch circuit. 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 compressor is a capacitor start, capacitor run non-reversible induction type, having the following specifications. It is wired at the factory for operation on 110V-120V AC, 60 Hz service.

Voltage	110-120
Amperes	14.5
Hertz (Cycles)	60
Phase	Single
RPM	3450

General Electrical Connections

⚠ DANGER:

To reduce the risk of electrocution:

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

⚠ WARNING:

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

Motor Specifications and Electrical Requirements (continued)

110-120 volt, 60Hz Tool Information

The plug supplied on your tool 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 you 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 electrical current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug, as shown. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

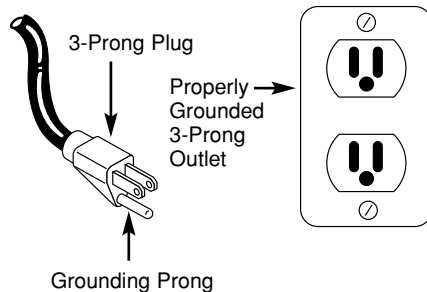
Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

If the grounding instructions are not completely understood, or if you are in doubt as to whether the tool is properly grounded check with a qualified electrician or service personnel.

⚠WARNING:

If not properly grounded, this tool can cause an electrical shock, particularly when used in damp locations, in proximity of plumbing, or out of doors.



Extension Cords

1. The air compressor should be located where it can be directly plugged into an outlet. An extension cord should not be used with this unit.
2. To avoid loss of power and overheating, additional air hose must be used to reach work area instead of extension cords.

Thermal Overload Protector

⚠CAUTION:

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 motor OFF frequently look for the following causes.

1. Low voltage.
2. Wrong gauge wire.
3. Clogged air filter.

4. Lack of proper ventilation.
5. Unit is being used with an extension cord.

See Troubleshooting Chart for corrective action.

⚠CAUTION:

The motor must be allowed to cool down before start-up is possible. The motor will automatically restart without warning if left plugged into electrical outlet, and the motor is turned on.

Glossary of Terms

ASME Safety Valve

A safety valve that automatically releases the air if the air receiver (tank) pressure exceeds the preset maximum.

PSI (Pounds per Square Inch)

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

SCFM (Standard Cubic Feet per Minute)

Sometimes called CFM (Cubic Feet per Minute). Measurement of air volume delivered by the compressor.

Air Delivery

A combination of psi and SCFM. The air delivery required by a tool is stated as (number) SCFM at (number) psi. The combination of these figures determines what size unit is needed.

Air Tank Capacity

The volume of air stored in the tank and available for immediate use. A large tank

allows the intermittent use of an air tool with an air requirement higher than the compressor's rated delivery.

Volts or Voltage

A measurement of the force of an electrical current.

Amps or Amperage

A measure of the electrical force minus the resistance on an electrical line. Ridgid air compressors require 15 amps for operation. Be sure the compressor will operate on an electrical line with the proper amps. If other appliances operate on the same line, they will reduce the available amps. If the amperage is not adequate, the result will be blown fuses or tripped circuits.

Regulator

A control that adjusts the line pressure to the proper amount needed to operate spray guns and air tools.

Tanks Pressure Gauge

Indicates tank pressure in psi.

Glossary of Terms (Continued)

Line Pressure Gauge

Displays the current line pressures. It is regulated by the regulator knob.

Cut-in/Cut-off Pressure

Specific psi at which a compressor starts and stops while refilling the air tank.

Unpacking and Checking Contents

1. Remove the air compressor from the carton.
2. Place the compressor on a secure, stationary work surface and look it over carefully.

⚠WARNING:

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

⚠WARNING:

For your own safety, never operate unit until all assembly steps are complete and until you have read and understood the entire operator's manual.

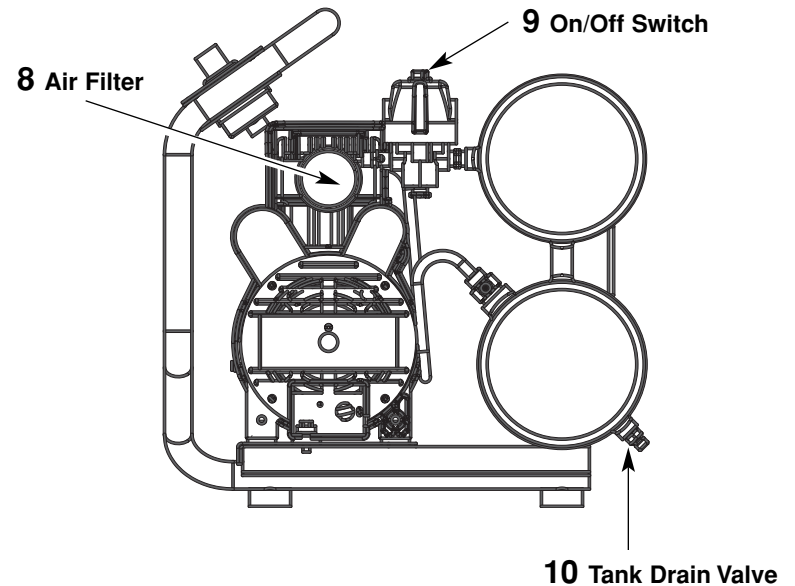
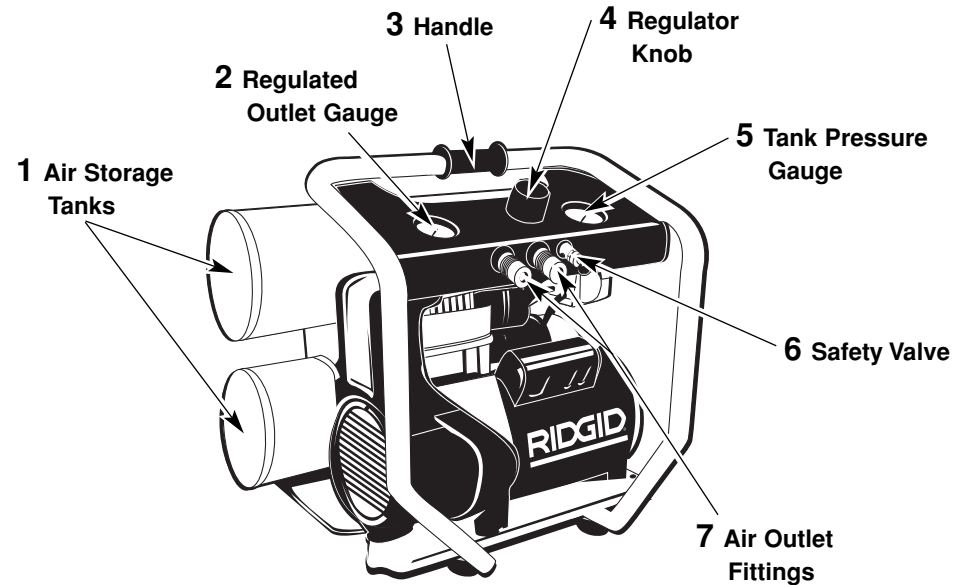
⚠WARNING:

To reduce the risk of injury, if any parts are missing, do not attempt to operate the air compressor until the missing parts are obtained and installed correctly.

Installation

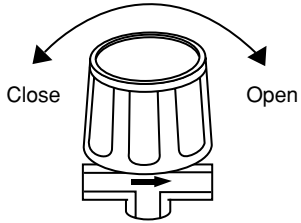
1. Check and tighten all bolts, fittings, etc., before operating compressor.
2. Operate compressor in a ventilated area so that compressor may be properly cooled.
3. Compressor should be located where it can be directly plugged into an outlet. An extension cord should not be used with this unit.
4. To avoid loss of power and overheating, additional air hose must be used to reach work area instead of extension cords.

Getting to Know Your Air Compressor



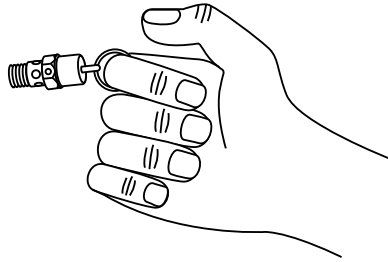
Getting to Know Your Air Compressor (Continued)

- 1. Air Storage Tanks.** The tanks store air for later use.
- 2. Regulated Outlet Gauge.** This gauge shows at-a-glance, air pressure at outlet. Air pressure is measured in pounds per square inch (PSI). Most tools have maximum pressure ratings. Never exceed the maximum pressure rating of the tool you are using. Be sure this gauge reads ZERO before changing air tools or disconnecting hose from outlet.
- 3. Handle.** Used to move the compressor.
- 4. Regulator Knob.** This knob controls air pressure to an air operated tool or paint spray gun. Turning the knob clockwise increases air pressure at the outlet. Turning counterclockwise will lower air pressure at the outlet. Fully counterclockwise will shut off the flow of air completely.



- 5. Tank Pressure Gauge.** Gauge shows pressure in air receiver indicating compressor is building pressure properly.

- 6. ASME Safety Valve.** This valve automatically releases air if the tank pressure exceeds the preset maximum.



- 7. Air Outlet Fittings.** These fittings are 1/4" universal-style quick connect fittings and allow rapid tool changes.
- 8. Air Filter.** The air filter keeps dirt and debris from entering the compressor pump and reduces compressor noise.
- 9. On/Off Switch.** This switch allows manual control of the compressor. Note that when the switch is turned on, the compressor will automatically start and stop depending on tank pressure.
- 10. Tank Drain Valve.** The tank drain valve allows moisture to be removed from the tank.

Operating Your Air Compressor

Moisture in Compressed Air

Moisture in compressed air will form into droplets as it comes from an air compressor pump. When humidity is high or when a compressor is in continuous use for an extended period of time, this moisture will collect in the tank. When using a paint spray or sandblast gun, this water will be carried from the tank through the hose, and out of the gun as droplets mixed with the spray material.

IMPORTANT: This condensation will cause water spots in a paint job, especially when spraying other than water based paints. If sandblasting, it will cause the sand to cake and clog the gun, rendering it ineffective. A filter in the air line, located as near to the gun as possible, will help eliminate this moisture.

Operating Your Air Compressor

Make sure the tank drain valve is closed, the regulator knob is turned fully counterclockwise, and the On/Off switch is in the OFF position.

Plug compressor into a dedicated 15 Amp (minimum) circuit.

Turn On/Off switch to the ON position. The compressor will now start building pressure.

After compressor reaches cut-off pressure, install a hose (with the desired air tool attached) into the outlet fitting.

Adjust the regulator knob to the desired pressure.

⚠WARNING:

Do not over-pressurize any air tool. Consult air tool instructions for proper air tool pressure.

The compressor is now ready to operate.

For Trouble-Free Operation

- 1. Read instructions:** Carefully read through this operator's manual **BEFORE OPERATING** the new air compressor. It contains information about operation and maintenance of the unit.
- 2. Drain tank daily:** Depressurize system prior to draining tank. Open tank drain valve and drain moisture from tank. This helps prevent tank corrosion and keeps oil and moisture out of the compressed air system. Be

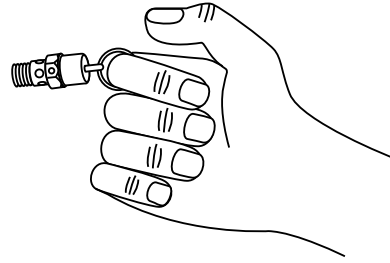
sure to close tank drain valve tightly before operating compressor.

- 3. Change air filter:** Never run compressor without an air filter nor with a clogged air filter. Replace with a new filter when the element is dirty.

Maintenance

⚠WARNING:

Release all pressure and disconnect power before making any repair.

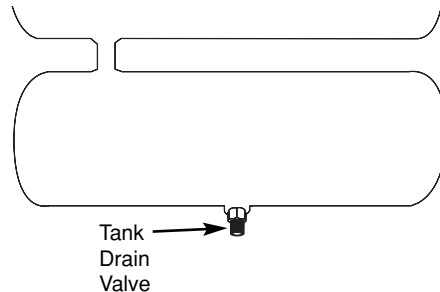


1. Check compressor for any visible problems, especially check air filter to be sure it is clean.
2. Pull ring on safety valve and allow it to snap back to normal position.

⚠WARNING:

Safety valve must be replaced if it cannot be actuated or it leaks air after ring is released.

3. Drain moisture from tank daily. Shut compressor off. Depressurize system prior to draining tank. Drain moisture from tank by opening the tank drain valve underneath the tank.
4. Turn power OFF and clean dust and dirt from motor, tank, air lines and pump cooling fins.



NOTE: The air filter in the filter housing on the side of the head must be checked and cleaned periodically, more often if used under very dusty conditions or when a great deal of fog from spraying is allowed to circulate near unit.

IMPORTANT: Unit should be located as far from spraying area as hose will allow to prevent over-spray from clogging filter.

Tank

⚠DANGER:

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.

NOTICE:

Drain liquid from tank daily.

The tank should be carefully inspected at a minimum of once a year. Look for cracks forming near the welds. If a crack is detected, remove pressure from tank immediately and replace.

Filter Removal, Inspection and Replacement

To change a filter, pull off the filter housing cover. If filter element is dirty, replace element or entire filter.

Lubrication

This is an oilless type compressor requiring no lubrication.

Storage

1. When not in use, compressor should be stored in a cool dry place.
2. Tank should be drained of moisture.
3. Hose should be disconnected and hung 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

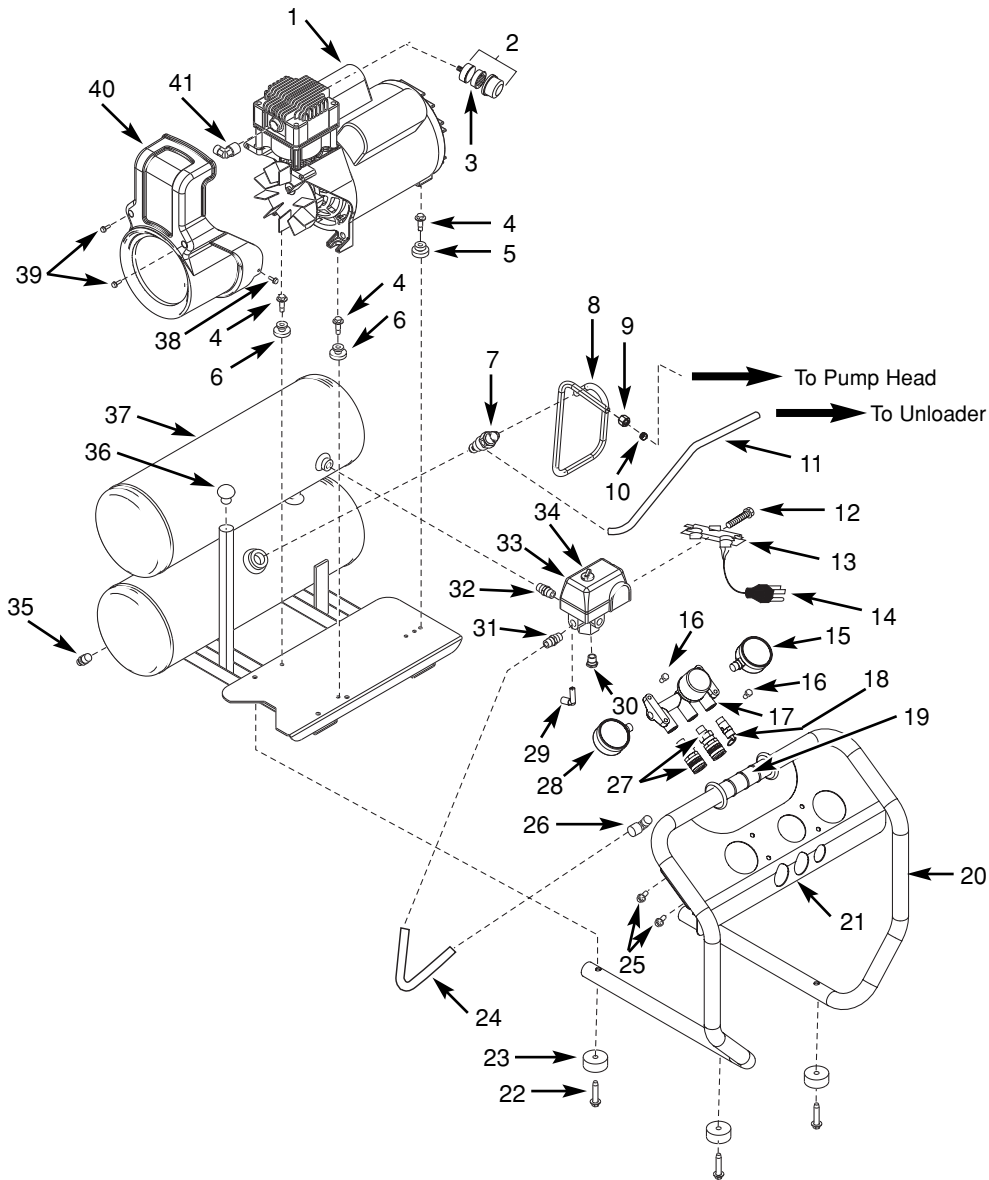
⚠WARNING:

For your own safety do not try and run the air compressor while troubleshooting.

TROUBLE	PROBABLE CAUSE	REMEDY
Compressor will not run	<ol style="list-style-type: none"> 1. Unit is plugged into extension cord 2. No electrical power 3. Blown fuse 4. Breaker open 5. Thermal overload open 6. Pressure switch bad 	<ol style="list-style-type: none"> 1. Remove extension cord 2. Plugged in? Check fuse/breaker or motor overload 3. Replace blown fuse 4. Reset, determining why problem happened 5. Motor will restart when cool 6. Replace
Motor hums but cannot run or runs slowly	<ol style="list-style-type: none"> 1. Low voltage 2. Unit is plugged into extension cord 3. Shorted or open motor winding 4. Defective check valve or unloader 	<ol style="list-style-type: none"> 1. Check with voltmeter 2. Remove extension cord 3. Replace motor 4. Replace or repair
Fuses blow/circuit breaker trips repeatedly	<ol style="list-style-type: none"> 1. Incorrect size fuse, circuit overloaded 2. Unit is plugged into extension cord 3. Defective check valve or unloader 	<ol style="list-style-type: none"> 1. Check for proper fuse, use time-delay fuse. Disconnect other electrical appliances from circuit or operate compressor on its own branch circuit 2. Remove extension cord 3. Replace or repair

TROUBLE	PROBABLE CAUSE	REMEDY
Thermal overload protector cuts out repeatedly	<ol style="list-style-type: none"> 1. Low voltage 2. Clogged air filter 3. Lack of proper ventilation/room temperature too high 4. Unit is plugged into extension cord 	<ol style="list-style-type: none"> 1. Check with voltmeter 2. Clean filter (see Maintenance section) 3. Move compressor to well ventilated area 4. Remove extension cord
Air tank pressure drops when compressor shuts off	<ol style="list-style-type: none"> 1. Loose connections (fittings, tubing, etc.) 2. Loose drain lock 3. Check valve leaking 	<ol style="list-style-type: none"> 1. Check all connections with soap and water solution and tighten 2. Tighten 3. Disassemble check valve assembly, clean or replace <p>⚠DANGER: Do not disassemble check valve with air in tank; bleed tank</p>
Excessive moisture in discharge air	<ol style="list-style-type: none"> 1. Excessive water in air tank 2. High humidity 	<ol style="list-style-type: none"> 1. Drain tank 2. Move to area of less humidity; use air line filter
Compressor runs continuously	<ol style="list-style-type: none"> 1. Defective pressure switch 2. Excessive air usage 	<ol style="list-style-type: none"> 1. Replace switch 2. Decrease air usage; compressor not large enough for a requirement
Compressor vibrates	Loose mounting bolts	Tighten
Air output lower than normal	<ol style="list-style-type: none"> 1. Broken inlet valves 2. Intake filter dirty 3. Connections leaking 	<ol style="list-style-type: none"> 1. Have authorized service representative repair unit 2. Clean or replace intake filter 3. Tighten connections

Repair Parts



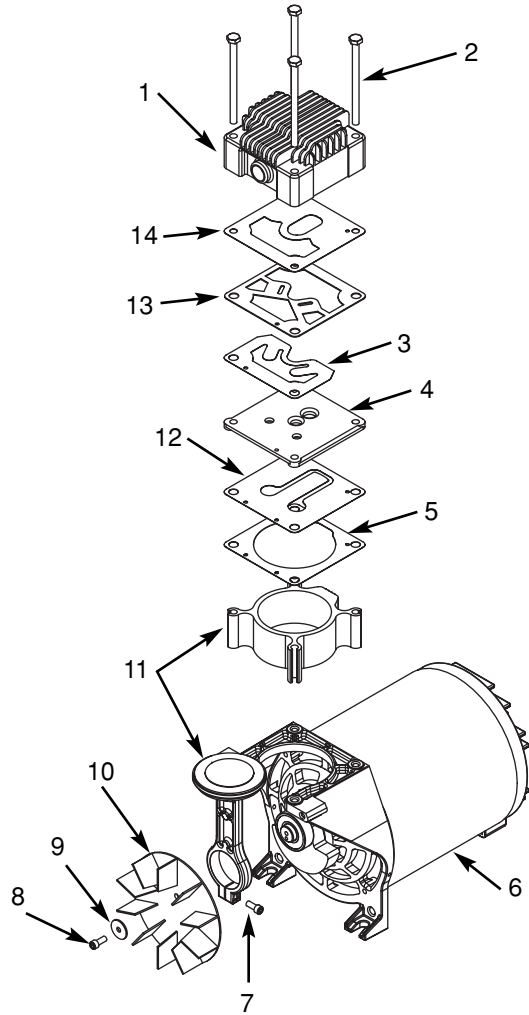
Repair Parts

For Repair Parts, Call 1-800-4-RIDGID

Please provide following information:

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

Ref. No.	Catalog Number	Part Number	Descriptions	Qty
1	17698	WL373000AJ	Pump/motor assembly	1
2	17703	WL012000AV	Filter	1
3	17708	WL012300AV	Filter element	1
4	17713	ST158000AV	Shoulder bolt	4
5	17718	WL003202AV	Rubber bushing (Rear)	2
6	17723	WL003203AV	Rubber bushing (Front)	2
7	17728	CV222203AJ	Check valve	1
8	17733	WL016200AP	● Exhaust tube	1
9	17738	ST039700AV	● Nut	1
10	17743	ST039800AV	● Ferrule	1
11	17748	ST117802AV	1/4" Flexible tube	1
12	17753	ST209800AV	Strain relief screw	1
13	17758	CW209600AV	Strain relief	1
14	17763	EC012600AV	Cord	1
15	17878	GA016901AV	Tank gauge	1
16	17783	ST071626AV	1/4"-20 x 1/2" Screw	4
17	17793	WL024501AV	Regulator assy. (includes 15, 27 & 28)	1
18	17798	V-215106AV	165 psi Safety valve	1
19	17808	ST185600AV	Grip	1
20	17813	WL025900AV	Roll bar	1
21	17838	WL025800AV	Control panel bracket	1
22	17848	ST073276AV	Foot screw	4
23	17853	ST158300AV	Molded rubber bumper	4
24	17858	WL021400AV	3/8" Nylon tube	1
25	17863	ST074415AV	1/4"-20 x 1/2" Thread cutting screw	4
26	17868	ST119704AV	3/8" 90° Push to connect	1
27	17873	HF203300AV	Coupler	2
28	17773	GA016900AV	Outlet gauge	1
29	17883	CW210000AV	Unloader	1
30	17888	ST022500AV	Plug	1
31	17893	ST119305AV	3/8" Push to connect	1
32	17898	HF002401AV	Nipple	1
33	17903	CW211700AV	Pressure switch cover	1
34	17908	CW211300AJ	Pressure switch	1
35	17913	D-1403	Tank drain valve	1
36	17918	ST073612AV	Plug	1
37	17923	AR052700CG	4.5 gal. twin tank	1
38	17928	ST129301AV	Shroud screw	1
39	17933	ST129302AV	Shroud screw	2
40	17938	WL012406AV	Shroud	1
41	17943	ST072224AV	Exhaust fitting	1
REPAIR PARTS KITS				
●	18713	WL209308AJ	Exhaust tube kit (without check valve)	1



For Repair Parts, Call 1-800-4-RIDGID

Please provide following information:

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

Ref. No.	Catalog Number	Part Number	Descriptions	Qty
1	17948	WL010500AV	Head	1
2	—	●	Head bolts	4
3	—	▲	Exhaust valve	1
4	—	▲	Valve plate	1
5	17958	XA012100AV	▲ Cylinder gasket	1
6	17963	MC302300AJ	Motor assembly (includes eccentric/bearing assembly)	1
7	—	(Included with piston assembly, Ref. No. 11)	M5 x .8 x 20 HH cap screw	1
8	—	■	M5 x .8 x 12 HHCS (L.H.)	1
9	—	■	Washer	1
10	—	■	Fan	1
11	17968	WL210300AJ	Piston assembly (includes #7)	1
12	—	▲	Intake valve	1
13	17973	XA010800AV	▲ Head gasket	1
14	17978	XA012001AV	▲ Discharge valve gasket	1
REPAIR PARTS KITS				
●	17953	WL602801AJ	Head bolt kit (set of 4)	1
▲	17983	WL201405AJ	Valve plate kit (Includes #2-5, 12-14)	1
■	17988	WL209802AJ	Fan kit (includes #8-10)	1

Notes _____

Notes _____



Catalog No. OF45150
Model No. OF45150
Serial No.
The model and serial numbers may be found on your unit. You should record both model and serial number in a safe place for future use.

RIDGID™ AIR COMPRESSOR LIMITED THREE YEAR WARRANTY

This product is manufactured by Campbell Hausfeld. The trademark is licensed from Ridgid, Inc. All warranty communications should be directed to RIDGID air compressor technical service at (toll free) 1-800-4-RIDGID.

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 Campbell Hausfeld'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 RIDGID branded air compressors. Expendable materials, such as oil, filters, etc. are not covered by this warranty. Gasoline engines and components are expressly excluded from coverage and you must comply with the warranty given by the engine manufacturer, which is supplied with the product. **CAMPBELL HAUSFELD MAKES NO WARRANTIES, REPRESENTATIONS OR PROMISES AS TO THE QUALITY OR PERFORMANCE OF ITS AIR COMPRESSORS OTHER THAN THOSE SPECIFICALLY STATED IN THIS WARRANTY. RIDGID, INC. MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING AS NOTED BELOW.**

ADDITIONAL LIMITATIONS

To the extent permitted by applicable law, all implied warranties, including warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, are disclaimed. Any implied warranties, including warranties of merchantability or fitness for a particular purpose, that cannot be disclaimed under state law are limited to three years from the date of purchase. Campbell Hausfeld is not responsible for direct, indirect, incidental, special or consequential damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

QUESTIONS OR COMMENTS

CALL 1-800-4-RIDGID

www.ridgid.com

Please have your Model Number and Serial Number on hand when calling.