

# OWNERS MANUAL FOR PERMANENTLY LUBRICATED AIR COMPRESSOR

(For Home Use Only)

MODEL NO.  
**FA153**  
**FAC153**

## SPECIFICATION CHART

MODEL NO.	FA153	FAC153
Horsepower	1.5	-----
SCFM @ 40 psig	4.0	4.0
SCFM @ 90 psig	2.9	2.9
Cut-In	100 PSI	100 PSI
Cut-Out	125 PSI	125 PSI
Bore	1 7/8"	1 7/8"
Stroke	1 1/4"	1 1/4"
Voltage/Hertz/ Phase	120/60/1	120/60/1
Minimum Branch Circuit Requirement	15 AMPS	15 AMPS
*Fuse Type	Quick Acting	Quick Acting
Amperage at Max. Load	10 AMPS	10 AMPS
Tank Size	3 Gallon	3 Gallon

**\*A circuit breaker is preferred. Use only a fuse or circuit breaker that is the same rating as the branch circuit the air compressor is operated on. If the air compressor is connected to a circuit protected by fuses, use quick acting fuses.**

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## SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting **YOUR SAFETY** and **PREVENTING EQUIPMENT PROBLEMS**. To help you recognize this information, we use the symbols to the right. Please read the manual and pay attention to these sections.

### ▲ DANGER

**URGENT SAFETY INFORMATION - A HAZARD THAT WILL CAUSE SERIOUS INJURY OR LOSS OF LIFE.**

### ▲ CAUTION

Information for preventing damage to equipment.

### ▲ WARNING

**IMPORTANT SAFETY INFORMATION - A HAZARD THAT MIGHT CAUSE SERIOUS INJURY OR LOSS OF LIFE.**

### NOTE

Information that you should pay special attention to.

Call our **Toll Free Number 1-800-888-2468, Ext 2, then 1**, to obtain the location of the nearest Authorized Service Center for ordering repair parts and for warranty repairs.

When ordering repair parts from your local Authorized Service Center, always give the following information:

- Model number of your compressor
- Part number and description of the item you wish to purchase

# LIMITED WARRANTY

## ONE YEAR FROM DATE OF PURCHASE

All merchandise manufactured by DeVilbiss Air Power Company is warranted to be free of defects in workmanship and material which occur during the first year from the date of purchase by the original purchaser (initial user). Products covered under this warranty include: air compressors, \*air tools, accessories, service parts, pressure washers, and generators used in consumer applications (i.e., personal residential household usage only).

Air compressors, \*air tools, accessories, service parts, pressure washers, and generators used in commercial applications (income producing) are covered by a 90 day warranty.

DeVilbiss Air Power will repair or replace, at DeVilbiss's option, products or components which have failed within the warranty period. Repair or replacement, and service calls on 60 and 80 gallon air compressors, will be handled by Authorized Warranty Service Centers and will be scheduled and serviced according to the normal work flow and business hours at the service center location, and depending on the availability of replacement parts.

All decisions of DeVilbiss Air Power Company with regard to this policy shall be final.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### RESPONSIBILITY OF ORIGINAL PURCHASER (Initial User):

- Retain original cash register sales receipt as proof of purchase for warranty work.
- Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- Deliver or ship the product to the nearest DeVilbiss Air Power Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
- Air compressors with 60 and 80 gallon tanks only will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center, that provides on-site service calls, for service call arrangement.
- If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact DeVilbiss Air Power Company.

### THIS WARRANTY DOES NOT COVER:

- Merchandise sold as reconditioned, floor models and/or display models. Any damaged or incomplete equipment sold "as is".
- Merchandise used as "rental" equipment.
- Merchandise that has become inoperative because of ordinary wear, misuse, freeze damage, use of improper chemicals, negligence, accident, improper and/or unauthorized repair or alterations including failure to operate the product in accordance with the instructions provided in the Owners Manual (s) supplied with the product. \*Air Tools: O-Rings and driver blades are considered ordinary wear parts, therefore, they are warranted for a period of 45 days from the date of purchase.
- An air compressor that pumps air more than 50% during a one hour period is considered misuse because the air compressor is undersized for the required air demand. Maximum compressor pumping time per hour is 30 minutes.
- Merchandise sold by DeVilbiss Air Power which has been manufactured by and identified as the product of another company. The product manufacturer's warranty will apply.
- Repair and transportation costs of merchandise determined not to be defective.
- Cost associated with assembly, required oil, adjustments or other installation and start-up cost.
- ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

**DeVilbiss Air Power Company**

213 Industrial Drive • Jackson, TN 38301-9615 • Telephone: 1-800-888-2468 , Ext. 2 • FAX: 1-800-888-9036

Form: SP-100-E - 4/25/96

# IMPORTANT SAFETY INSTRUCTIONS




• **SAVE THESE INSTRUCTIONS** •




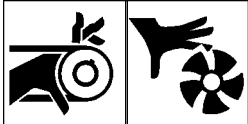

## ⚠ WARNING

IMPROPER OPERATION OR MAINTENANCE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY AND PROPERTY DAMAGE. READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT.



HAZARD	WHAT CAN HAPPEN	HOW TO PREVENT IT
<p><b>⚠ WARNING</b> RISK OF BURSTING</p> 	<p><i>Air Tank</i></p> <ul style="list-style-type: none"> <li>• <b>THE FOLLOWING CONDITIONS COULD</b> lead to a weakening of the tank, and <b>RESULT IN A VIOLENT TANK EXPLOSION:</b> <ol style="list-style-type: none"> <li>1. <b>FAILURE TO PROPERLY DRAIN</b> condensed <b>WATER FROM THE TANK</b>, causing rust and thinning of the tank steel.</li> <li>2. <b>MODIFICATIONS</b> or attempted repairs <b>TO THE TANK.</b></li> <li>3. Unauthorized <b>MODIFICATIONS TO THE PRESSURE SWITCH, SAFETY VALVE, OR any OTHER COMPONENTS WHICH CONTROL</b> tank <b>PRESSURE.</b></li> </ol> </li> </ul> <p><i>Attachments and Accessories</i></p> <ul style="list-style-type: none"> <li>• <b>EXCEEDING THE PRESSURE RATING OF AIR TOOLS</b>, spray guns, air operated accessories, tires <b>AND</b> other <b>INFLATABLES CAN CAUSE THEM TO EXPLODE</b> or fly apart, and could result in serious injury.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>DRAIN TANK DAILY OR AFTER EACH USE.</b> If tank develops a leak, replace it immediately with a new tank or new compressor outfit.</li> <li>• <b>NEVER</b> drill into, weld, or <b>MAKE ANY MODIFICATIONS TO THE TANK</b> or its attachments. Never attempt to repair a damaged or leaking tank. Replace with a new tank.</li> <li>• The tank is designed to withstand specific operating pressures. <b>NEVER MAKE ADJUSTMENTS OR PARTS SUBSTITUTIONS</b> to alter the <b>FACTORY SET</b> operating <b>PRESSURES.</b></li> <li>• Follow the equipment manufacturers recommendation and never exceed the maximum allowable pressure rating of attachments. <b>NEVER USE THE COMPRESSOR TO INFLATE SMALL LOW-PRESSURE OBJECTS SUCH AS CHILDREN'S TOYS, FOOTBALLS, BASKETBALLS, ETC.</b></li> </ul>
<p><b>⚠ WARNING</b> RISK OF ELECTRIC SHOCK</p> 	<ul style="list-style-type: none"> <li>• Your <b>AIR COMPRESSOR</b> is powered by electricity. Like any other electrically powered device, <b>IF</b> it is <b>NOT USED PROPERLY</b> it <b>MAY CAUSE ELECTRICAL SHOCK.</b></li> <li>• <b>ELECTRICAL GROUNDING: FAILURE TO PROVIDE ADEQUATE GROUNDING TO THIS PRODUCT COULD RESULT IN SERIOUS INJURY OR DEATH FROM ELECTROCUTION. SEE GROUNDING INSTRUCTIONS IF APPLICABLE.</b></li> </ul>	<ul style="list-style-type: none"> <li>• Any <b>ELECTRICAL WIRING OR REPAIRS</b> required to this product <b>SHOULD BE PERFORMED BY QUALIFIED SERVICE PERSONNEL OR a LICENSED ELECTRICIAN</b>, in accordance with national and local electrical codes.</li> <li>• <b>MAKE CERTAIN</b> that the <b>ELECTRICAL CIRCUIT</b> to which the compressor is connected <b>PROVIDES PROPER ELECTRICAL GROUNDING, CORRECT VOLTAGE, AND ADEQUATE FUSE PROTECTION.</b></li> <li>• Never operate the compressor outdoors when it is raining.</li> </ul>
<p><b>⚠ WARNING</b> RISK OF EXPLOSION OR FIRE</p> 	<ul style="list-style-type: none"> <li>• It is normal for <b>ELECTRICAL CONTACTS</b> within the motor and pressure switch to <b>SPARK WHENEVER THE COMPRESSOR STARTS OR STOPS.</b></li> </ul>	<ul style="list-style-type: none"> <li>• Always <b>OPERATE</b> the <b>COMPRESSOR IN</b> a well ventilated <b>AREA FREE OF GASOLINE OR SOLVENT VAPORS.</b></li> <li>• If spraying flammable materials, <b>LOCATE COMPRESSOR</b> at least <b>20 FEET AWAY FROM SPRAY AREA.</b></li> <li>• <b>STORE FLAMMABLE MATERIALS</b> in a secure location <b>AWAY FROM COMPRESSOR.</b></li> </ul>

# IMPORTANT SAFETY INSTRUCTIONS (cont'd)

HAZARD	WHAT CAN HAPPEN	HOW TO PREVENT IT
<p><b>⚠ WARNING</b> RISK TO BREATHING</p> 	<ul style="list-style-type: none"> <li>The <b>COMPRESSED AIR</b> from your compressor <b>IS NOT SAFE FOR BREATHING!</b> The air stream may contain carbon monoxide or other toxic vapors, or particles from the tank or other components.</li> <li><b>SPRAYED MATERIALS</b> such as paint, paint solvents, paint remover, insecticides, weed killers, etc., <b>CONTAIN HARMFUL VAPORS</b> and poisons.</li> </ul>	<ul style="list-style-type: none"> <li><b>NEVER INHALE AIR FROM THE COMPRESSOR</b>, either directly or from a breathing device connected to the compressor. <b>WORK IN AN AREA</b> equipped <b>WITH GOOD CROSS-VENTILATION</b>.</li> <li>Read and <b>FOLLOW THE SAFETY INSTRUCTIONS</b> provided on the label or safety data sheet <b>FOR THE MATERIAL YOU ARE SPRAYING</b>. <b>USE A NIOSH/MSHA APPROVED RESPIRATOR</b> designed <b>FOR</b> use with your specific <b>APPLICATION</b>.</li> </ul>
<p><b>⚠ WARNING</b> RISK FROM FLYING OBJECTS</p> 	<ul style="list-style-type: none"> <li>The <b>COMPRESSED AIR STREAM</b> <b>CAN</b> cause soft tissue damage, and can <b>PROPEL</b> dirt, chips, loose <b>PARTICLES</b> and small objects at high speed, resulting in property damage or personal injury.</li> </ul>	<ul style="list-style-type: none"> <li><b>ALWAYS WEAR ANSI Z87.1 APPROVED SAFETY GLASSES</b> with side shields when using the compressor.</li> <li><b>NEVER POINT</b> any nozzle or <b>SPRAYER</b> toward any part of the body or <b>AT OTHER PEOPLE</b> or animals.</li> <li>Always <b>TURN the COMPRESSOR OFF AND BLEED PRESSURE</b> from the air line <b>BEFORE</b> attempting maintenance, <b>ATTACHING TOOLS</b> or accessories.</li> </ul>
<p><b>⚠ WARNING</b> RISK FROM MOVING PARTS</p> 	<ul style="list-style-type: none"> <li>The <b>COMPRESSOR CYCLES AUTOMATICALLY WHEN the PRESSURE SWITCH IS IN THE ON/AUTO POSITION!</b> If you attempt repair or maintenance while the compressor is operating, or with the switch in the ON/AUTO position, you can expose yourself to moving parts. These <b>MOVING PARTS CAN CAUSE SERIOUS INJURY</b> or damage if they come into contact with you or your clothing.</li> </ul>	<ul style="list-style-type: none"> <li>Always <b>UNPLUG the COMPRESSOR AND RELEASE AIR PRESSURE</b> from the tank and any attachments <b>BEFORE ATTEMPTING</b> any <b>MAINTENANCE OR REPAIR</b>.</li> <li><b>NEVER OPERATE the COMPRESSOR WITH GUARDS</b> or covers which are <b>DAMAGED</b> or <b>REMOVED</b>.</li> </ul>
<p><b>⚠ WARNING</b> RISK OF BURN</p> 	<ul style="list-style-type: none"> <li>Contact with <b>HOT PARTS</b> such as the compressor head or outlet tubes <b>COULD RESULT IN A SERIOUS SKIN BURN</b>.</li> </ul>	<ul style="list-style-type: none"> <li><b>NEVER TOUCH HOT COMPONENTS</b> during or immediately after operation of the compressor. Do not reach around protective shrouds or attempt maintenance until unit has been allowed to cool.</li> </ul>

PCOM1096

# GLOSSARY

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**SCFM or CFM:** Standard Cubic Feet per Minute; a unit of measurement of air delivery.

**PSIG or PSI:** Pounds per square inch gauge.

**CUT-IN PRESSURE:** While the motor is off, air tank pressure drops as you continue to use your accessory. When the tank pressure drops to approximately 100 PSI the motor will restart automatically. The low pressure at

which the motor automatically re-starts is called "cut-in pressure."

**CUT-OUT PRESSURE:** When you turn on your air compressor and it begins to run, air pressure in the air tank begins to build. It builds to approximately 125 PSI before the motor automatically shuts off. The high pressure at which the motor shuts off is called "cut-out pressure."

# DUTY CYCLE

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All DeVilbiss Air Power manufactured air compressors should be operated on not more than a 50% duty cycle. This means an air compressor that pumps air more than

50% of one hour is considered misuse, because the air compressor is undersized for the required air demand. Maximum compressor pumping time per hour is 30 minutes.

# STORAGE

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*When you have finished using the air compressor:*

1. Set the "ON/OFF" switch to "OFF" and unplug the cord.
2. Review the "Operating Procedures" section (page 9). Be sure to drain the water from the air tank.
3. Protect the electrical cord and air hose from damage by winding them loosely around the air compressor.
4. Store the air compressor in a clean and dry location.

# DESCRIPTION OF OPERATION

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**Air Compressor Pump:** To compress air, the piston moves up and down in the cylinder. On the downstroke, air is drawn in through the intake valves. The exhaust valves remain closed. On the upstroke of the piston, air is compressed. The intake valves close and compressed air is forced out through the exhaust valves, through the outlet tube, through the check valve and into the air tank. Working air is not available until the compressor has raised the tank pressure above that required at the air outlet.

**Check Valve:** When the air compressor is operating, the check valve is “open”, allowing compressed air to enter the air tank. When the air compressor reaches “cut-out” pressure, the check valve “closes”, allowing air pressure to remain inside the air tank.

**Pressure Switch:** The pressure switch automatically starts the motor when the tank pressure drops below the factory set “cut-in” pressure. It stops the motor when the air tank pressure reaches the factory set “cut-out” pressure.

**Regulator:** The air pressure coming from the air tank is controlled by the regulator. Turn the regulator knob clockwise to increase pressure and counterclockwise to decrease pressure. To avoid minor readjustment after making a change in pressure setting, always approach the desired pressure from a lower pressure. When reducing from a higher to a lower setting, first reduce to pressure less

than that desired, then bring it up to the desired pressure. Depending on the air requirements of each particular accessory, the outlet regulated air pressure may have to be adjusted while operating the accessory.

**Outlet Pressure Gauge:** The outlet pressure gauge indicates the air pressure available at the outlet side of the regulator. This pressure is controlled by the regulator and is always less or equal to the tank pressure. See “Operating Procedures”.

**Tank Pressure Gauge:** The tank pressure gauge indicates the reserve air pressure in the tank.

**Cooling System:** This compressor contains an advanced design cooling system. At the heart of this cooling system is an engineered fan. It is perfectly normal for this fan to blow air through the vent holes in large amounts. You know that the cooling system is working when air is being expelled.

**Air Intake Filter:** This unit requires no air filter due to the unique design of the air intake system.

**Drain Valve:** The drain valve is located at the base of the air tank and is used to drain condensation at the end of each use.

# INSTALLATION AND BREAK-IN PROCEDURES

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## Location of the Air Compressor

Your compressor comes to you completely assembled and ready for use. Operate the air compressor in a dry, clean, cool and well ventilated area. The air compressor pump and case are designed to allow for proper cooling. Clean or blow off dust or dirt that collects on the air compressor. A clean air compressor runs cooler and provides longer service. The ventilation openings on your air compressor are necessary to maintain proper operating temperature. Do not place rags or other containers on or near these openings.

## Voltage and Circuit Protection

See front cover.

## Extension Cords

Use extra air hose instead of an extension cord to avoid voltage drop and power loss to the motor.

If an extension cord must be used, be sure it is:

- a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that will accept the plug on the compressor.
- in good condition.
- no longer than 50 feet.
- 14 gauge (AWG) or larger. (Wire size increases as gauge number decreases.) 12 AWG, 10 AWG and 8 AWG may also be used. DO NOT USE 16 OR 18 AWG.

# INSTALLATION AND BREAK-IN PROCEDURES

## GROUNDING INSTRUCTIONS

### **⚠ WARNING**

**RISK OF ELECTRICAL SHOCK! IN THE EVENT OF A SHORT CIRCUIT, GROUNDING REDUCES THE RISK OF SHOCK BY PROVIDING AN ESCAPE WIRE FOR THE ELECTRIC CURRENT. THIS AIR COMPRESSOR MUST BE PROPERLY GROUNDED.**

The air compressor is equipped with a cord having a grounded wire with an appropriate grounding plug. The plug must be used with an outlet that has been installed and grounded in accordance with all local codes and ordinances. The outlet must have the same configuration as the plug. See illustration. **DO NOT USE AN ADAPTER.**

Inspect the plug and cord before each use. Do not use if there are signs of damage.

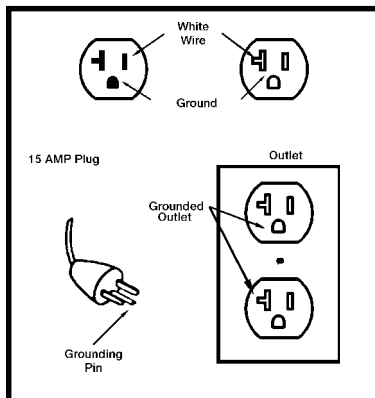
### **⚠ DANGER**

**IMPROPER GROUNDING CAN RESULT IN ELECTRICAL SHOCK.**

Do not modify the plug that has been provided. If it does not fit the available outlet, the correct outlet should be installed by a qualified electrician.

If repairing or replacing cord or plug, the grounding wire must be kept separate from the current-carrying wires. Never connect the grounding wire to a flat blade plug terminal. The grounding wire has insulation with an outer surface that is green - with or without yellow stripes.

If these grounding instructions are not completely understood, or if in doubt as to whether the compressor is properly grounded, have the installation checked by a qualified electrician.



## Additional Regulators and Controls

Since the air tank pressure is usually greater than that which is needed, a regulator is employed to control the air pressure ahead of any individual air driven device.

Separate air transformers which combine the function of air regulation, moisture and dirt removal should be used where applicable.

## Break-in Procedures

### **⚠ CAUTION**

**Serious damage may result if the following break-in instructions are not closely followed.**

This procedure is required:

1. Before the air compressor is put into service.
2. When the check valve is replaced.
  - a. Set the pressure switch lever to the "OFF" position.
  - b. Plug the power cord into the correct branch circuit receptacle.
  - c. Turn the regulator clockwise, opening it fully, to prevent air pressure build-up in the tank.
  - d. Move the pressure switch lever to "ON/AUTO". The compressor will start.
  - e. Run the compressor for 15 minutes. Make sure the regulator is open and there is no tank pressure build-up.
  - f. After 15 minutes, close the regulator by turning knob counterclockwise. The air receiver will fill to cut-out pressure and the motor will stop. The compressor is now ready for use.

# OPERATING PROCEDURES

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1. Before attaching air hose or accessories, make sure the OFF/AUTO lever is set to “OFF” and the air regulator or shut-off valve is closed.
2. Attach hose and accessories.

## **WARNING**

**TOO MUCH AIR PRESSURE CAUSES A HAZARDOUS RISK OF BURSTING. CHECK THE MANUFACTURER'S MAXIMUM PRESSURE RATING FOR AIR TOOLS AND ACCESSORIES. THE REGULATOR OUTLET PRESSURE MUST NEVER EXCEED THE MAXIMUM PRESSURE RATING.**

3. Turn the OFF/AUTO lever to “AUTO” and allow tank pressure to build. Motor will stop when tank pressure reaches “cut-out” pressure.
4. Open the regulator by turning it clockwise. Adjust the regulator to the correct pressure setting. Your compressor is ready for use.
5. Always operate the air compressor in well-ventilated areas; free of gasoline or other solvent vapors. Do not operate the compressor near the spray area.

### ***When you are finished:***

6. Set the “OFF/AUTO” lever to “OFF”.
7. Turn the regulator counterclockwise and set the outlet pressure to zero.
8. Remove the air tool or accessory.
9. Open the regulator and allow the air to slowly bleed from the tank. Close the regulator when tank pressure is approximately 20 psi.
10. Drain water from air tank.

## **WARNING**

**WATER WILL CONDENSE IN THE AIR TANK. IF NOT DRAINED, WATER WILL CORRODE AND WEAKEN THE AIR TANK CAUSING A RISK OF AIR TANK RUPTURE.**

### **NOTE**

**If drain cock valve is plugged, release all air pressure. The valve can then be removed, cleaned, then reinstalled.**

11. After the water has been drained, close the drain cock or drain valve. The air compressor can now be stored.



# TROUBLESHOOTING GUIDE

## ⚠ WARNING

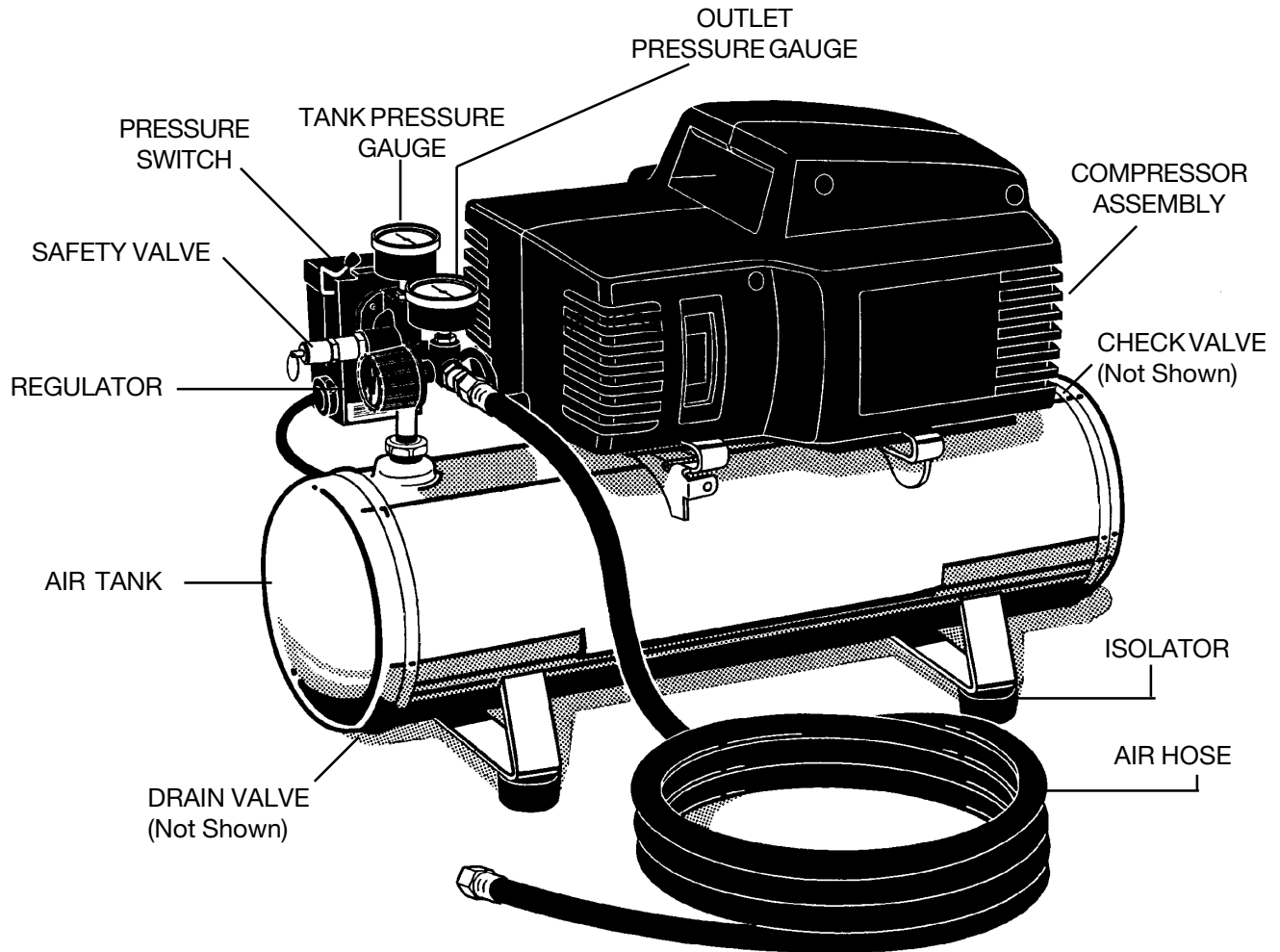
**PERFORMING REPAIRS MAY EXPOSE VOLTAGE SOURCES, MOVING PARTS OR COMPRESSED AIR SOURCES. PERSONAL INJURY MAY OCCUR. PRIOR TO ATTEMPTING ANY REPAIRS, UNPLUG THE COMPRESSOR AND BLEED OFF TANK AIR PRESSURE.**

PROBLEM	CAUSE	CORRECTION
Excessive tank pressure - safety valve pops off.	Pressure switch does not shut off motor when compressor reaches "cut-out" pressure.	Move the pressure switch lever to the "OFF" position. If the outfit doesn't shut off, unplug. If the electrical contacts are welded together, replace the pressure switch.
	Pressure "cut-out" too high.	Return the outfit to an authorized dealer to check and adjust, or replace switch.
Air leaks at fittings.	Tube fittings are not tight enough.	Tighten fittings where air can be heard escaping. Check fittings with soapy water solution. <b>DO NOT OVER-TIGHTEN.</b>
Air leaks at or inside check valve.	Defective or dirty check valve.	A defective check valve results in a constant air leak at the pressure release valve when there is pressure in the tank and the compressor is shut off. Remove and clean or replace check valve. <b>DO NOT OVER-TIGHTEN.</b>
Air leaks at pressure switch release valve.	Defective pressure release valve.	Remove and replace the release valve.
	Defective check valve.	A defective check valve results in a constant air leak at the pressure release valve when there is pressure in the tank and the compressor is shut off. Remove and clean or replace check valve. <b>DO NOT OVER-TIGHTEN.</b>
Defective air tank.	Air leaks in tank or at air tank welds.	Air tank must be replaced. Do not repair the leak.  <div style="text-align: center;"><b>⚠ WARNING</b> <b>DO NOT DRILL INTO, WELD OR OTHERWISE MODIFY AIR TANK OR IT WILL WEAKEN. THE TANK CAN RUPTURE OR EXPLODE.</b></div>
Pressure reading on the regulated pressure gauge drops when an accessory is used.	It is normal for "some" pressure drop to occur.	If there is an excessive amount of pressure drop when the accessory is used, adjust the regulator following the instructions on page 7.  <div style="text-align: center;"><b>NOTE</b> Adjust the regulated pressure under flow conditions (while accessory is being used).</div>

## TROUBLESHOOTING GUIDE (Continued)

PROBLEM	CAUSE	CORRECTION
Air leak from safety valve.	Possible defect in safety valve.	Operate safety valve manually by pulling on ring. If valve still leaks, it should be replaced.
Knocking Noise	Defective check valve.	Remove and clean, or replace.
Compressor is not supplying enough air to operate accessories.	<p>Prolonged excessive use of air.</p> <p>Compressor is not large enough for air requirement.</p> <p>Hole in hose.</p> <p>Check valve restricted.</p> <p>Air leaks.</p>	<p>Decrease amount of air usage.</p> <p>Check the accessory air requirement. If it is higher than the SCFM or pressure supplied by your air compressor, you need a larger compressor.</p> <p>Check and replace.</p> <p>Remove and clean, or replace.</p> <p>Tighten fittings. (See Air Leaks Section of Troubleshooting Guide.)</p>
Motor will not run.	<p>Tank pressure exceeds pressure switch "cut-in" pressure.</p> <p>Wrong gauge wire or length of extension cord.</p> <p>Check valve stuck open.</p> <p>Loose electrical connections.</p> <p>Paint spray on internal motor parts.</p> <p>Possible defective motor.</p> <p>Fuse blown, circuit breaker tripped.</p>	<p>Motor will start automatically when tank pressure drops below "cut-in" pressure of pressure switch.</p> <p>Check for proper gauge wire and cord length.</p> <p>Remove and clean, or replace.</p> <p>Check wiring connection inside pressure switch and terminal box area.</p> <p>Have checked at an Authorized Warranty Service Center. Do not operate the compressor in the paint spray area. See flammable vapor warning.</p> <p>Have checked at an Authorized Warranty Service Center.</p> <ol style="list-style-type: none"> <li>1. Check fuse box for blown fuse and replace, if necessary. Reset circuit breaker. Do not use a fuse or circuit breaker with higher rating than that specified for your particular branch circuit.</li> <li>2. Check for proper fuse.</li> <li>3. Check for low voltage conditions and/or proper extension cord.</li> <li>4. Disconnect the other electrical appliances from circuit or operate the compressor in its own branch circuit.</li> </ol>
Regulator knob has continuous air leak. Regulator will not shut off at air outlet.	Damaged regulator.	Replace regulator.

# PARTS LIST



## PARTS AVAILABLE FOR THIS UNIT

<u>DESCRIPTION</u>	<u>PART NUMBER</u>
REGULATOR.....	CAC-4296-1
TANK PRESSURE GAUGE .....	C-GA-345
OUTLET PRESSURE GAUGE .....	C-GA-345
SAFETY VALVE .....	TIA-4150
DRAIN VALVE .....	SS-2707
CHECK VALVE .....	CAC-1275
PRESSURE SWITCH.....	DAC-4105-1 (100 to 125 PSI)
ISOLATOR .....	SST-5314-1 (4 used)
AIR HOSE .....	H-7040-1

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**OWNERS MANUAL FOR**  
***PERMANENTLY LUBRICATED AIR COMPRESSOR***

*(For Home Use Only)*

MODEL NO.

**FA153**

**FAC153**

**WARRANTY**

This product is covered by the DeVilbiss one year limited warranty. The warranty can be found in the General Manual or is available upon request.

**Attach Sales Receipt Here.**

Retain Original Sales Receipt as Proof of Purchase for Warranty Repair Work.