

ProAir I Portable Air Compressor ProAir III Portable Air Compressor ProStart Portable Air Compressor

OPERATION MANUAL

© Copyright 2012 DNTLworks Equipment Corporation

All Rights Reserved



**DNTLworks Equipment Corporation
7300 South Tucson Way
Centennial, Colorado 80112 USA**

**Toll Free: (800) 847-0694
Main: (303) 693-1410
Fax: (303) 693-6189**

Contents

- Introduction 3
- Customer Service 3
- DNTLworks Limited Warranty..... 3
 - Returns..... 4
- Description of Unit..... 4
- Unit Features..... 5
 - ProAir I 5
 - ProAir III 6
 - ProStart 7
- Specifications 8
- Operation 8
- Dental Office Infection Control Guidelines (CDC)..... 9
 - Barrier Techniques 9
 - Cleaning and Disinfection of Dental Unit and Environmental Surfaces 9
 - Use and Care of Handpieces and Other Intra-oral Dental Devices..... 10
 - Other Important Issues 10
- Shut Down Instructions..... 11
- Compressor Component Views 12
 - ProAir I 12
 - ProAir III 13
 - ProStart 14
- Electrical Diagrams..... 15
 - ProAir I 15
 - ProAir III 16
 - ProStart 17

Introduction

Thank you for purchasing the ProAir™ Portable Air Compressor from DNTLworks Equipment Corporation. The information contained in the manual should answer any questions regarding operation and service of your ProAir compressor.

All authorized personnel who operate, maintain, or service your ProAir compressor should carefully review this manual before attempting to operate, perform maintenance on or service the ProAir compressor. Your ProAir compressor should be operated and maintained by trained personnel only. Should questions or problems arise, contact our Customer Service Department.

Although your ProAir compressor has been designed and tested for maximum safety and optimum performance, it is sold with the express understanding that DNTLworks, its subsidiaries, agents and representatives will not accept any responsibility for the following, including, but not limited to:

- 1) Operator's lack of knowledge, negligence or carelessness in the operation of this equipment.
- 2) Equipment not properly maintained or serviced.
- 3) Injury to personnel or patients from improper use.
- 4) Modification or tampering of any kind.

Customer Service

In the event you require assistance with your unit, please call 1-800-847-0694 or 303-693-1410 and speak with one of our customer service representatives. Our service hours are from 8:00 a.m. to 5:00 p.m., Mountain Standard Time, Monday through Friday.

In most instances, service problems will be solved over the telephone. If service is required, you may ship the unit to our manufacturing facility for repair. Warranty service will be performed in accordance with the DNTLworks' Limited Warranty. Non-warranty service will be provided at reasonable parts and labor costs.

DNTLworks Limited Warranty

DNTLworks warrants to the purchaser that these products are free of defects in materials and/or workmanship for three (3) full years from date of delivery, on a "parts only" basis. In addition, DNTLworks extends a ninety (90) day labor warranty from the date of delivery for all products we manufacture. Shipping charges incurred to the factory under warranty purposes will be the responsibility of the owner.

During the warranty period, all parts which, upon inspection and examination by DNTLworks, are proven to be defective, will be replaced free of charge. All decisions concerning whether a part will be repaired or replaced and the manner, method, and extent of such repair or replacement will be at the sole

discretion of DNTLworks. The responsibility of DNTLworks does not include repair and replacement cost resulting from misuse, abuse, improper maintenance, or normal wear and tear.

DNTLworks will pay for labor costs for warranty service for a period of 90 days from the date of purchase. DNTLworks sole obligation under said warranty is to repair, or, at its option, replace the defective part. The buyer will have no options.

Warranties for products not manufactured by DNTLworks, but sold in combination with DNTLworks products, will be honored by DNTLworks for the entire duration of the original manufacturer's warranty period.

The warranty will be voided by alterations, tampering with, improper installation or maintenance, accident or modification of the equipment, with the exception of work performed by DNTLworks or one of its authorized service agents. This warranty expressly excludes all damage to the products resulting from careless or neglectful transportation. DNTLworks will in no event be responsible for any work done without first obtaining DNTLworks' written consent.

This warranty is made expressly in lieu of all other warranties, expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. No employee, agent, franchise, dealer or other person is authorized to give any warranties of any nature on behalf of DNTLworks. Except as provided herein, DNTLworks will have no liability or responsibility to the customer or any other person or entity with respect to any liability, loss or damage caused or alleged to be caused directly or indirectly by equipment sold, leased, or furnished by DNTLworks, including, but not limited to, any interruption of services, loss of business or anticipatory profits or consequential damage arising out of or connected with the sale, lease, use, or anticipated use of equipment. Notwithstanding the above limitations and warranties, DNTLworks liability hereunder for damages incurred by customer or other will not exceed the amount paid by customer for the particular equipment involved.

Returns

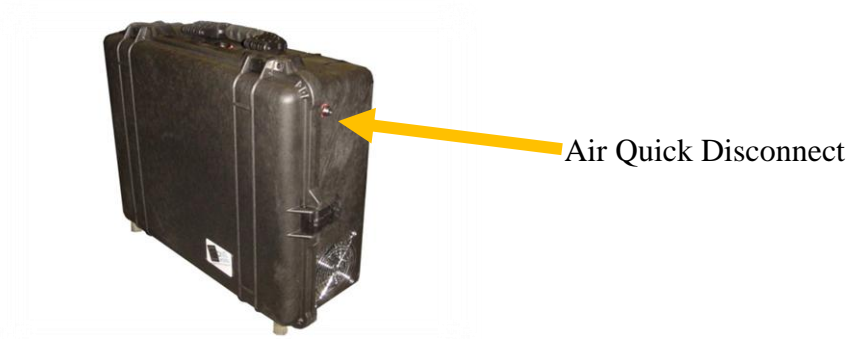
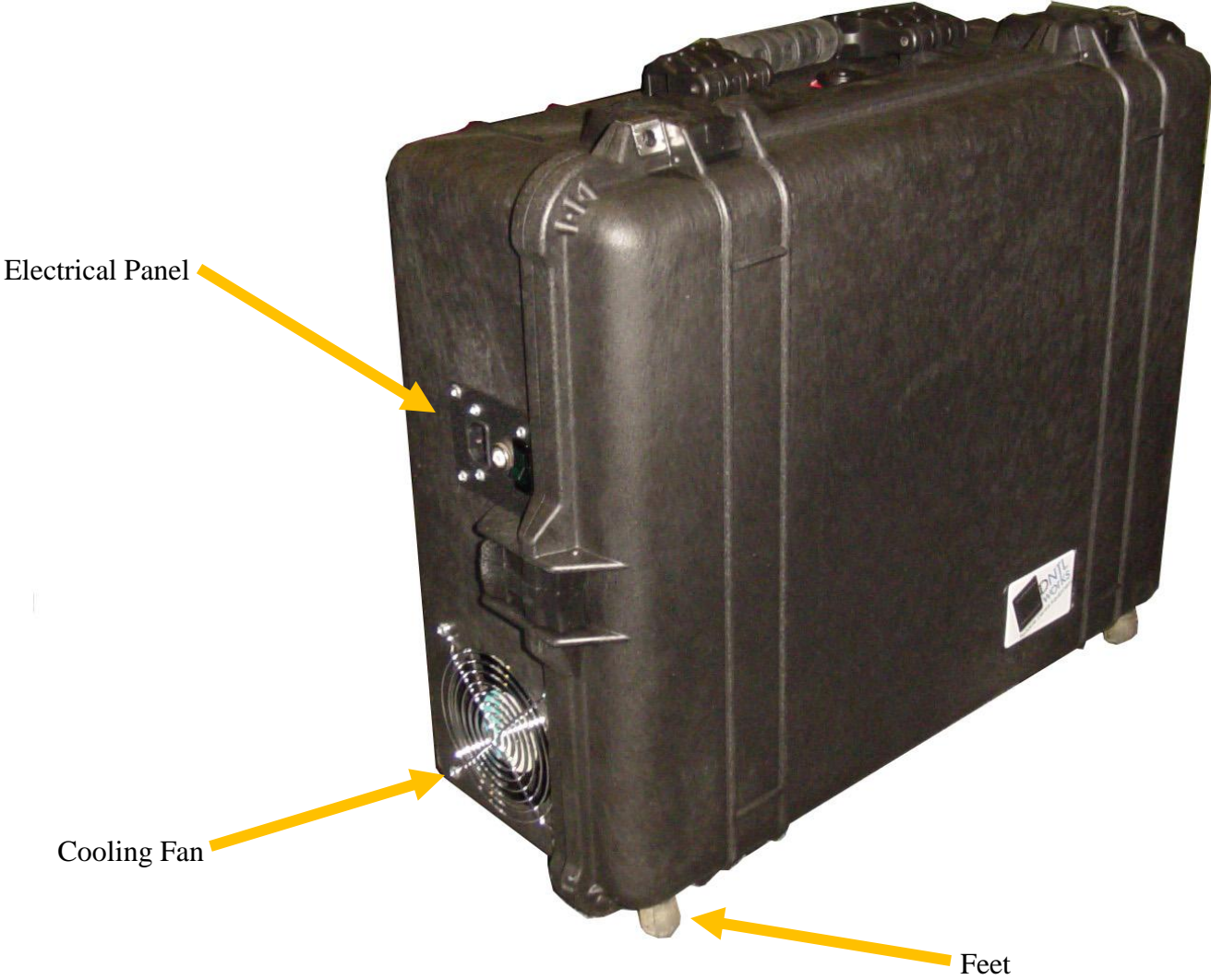
Purchased goods may not be returned without the express written consent of DNTLworks and a Return Goods Authorization Number (RGA#). All items must be returned within 14 days of initial delivery and are subject to a 15% restocking charge. Special order items cannot be returned for credit consideration. Freight charges on approved return items shall be borne by the customer.

Description of Unit

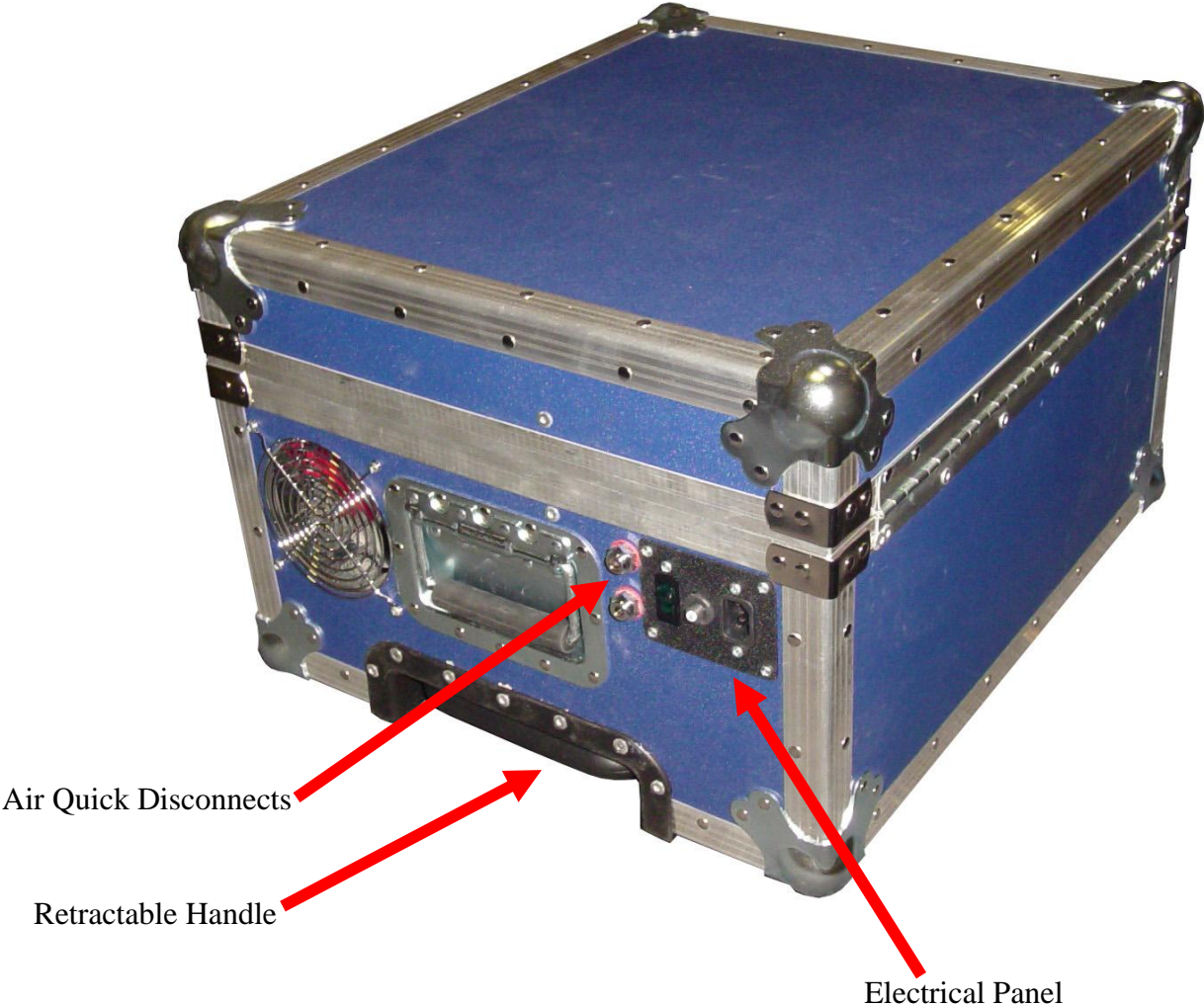
DNTLworks ProAir compressor are lightweight and compact basic air compressors which allow the operator to easily store, transport and set up the system in a few minutes. The air compressors come in three versions: ProAir I™, ProAir III™ and ProStart™. ProAir compressors are designed to supply clean, compressed unit air suitable for dental applications and operate at pressures rated up to 100 psi. ProAir compressors are perfect complements to ProPak™ delivery units.

Unit Features

ProAir I



ProAir III



ProStart






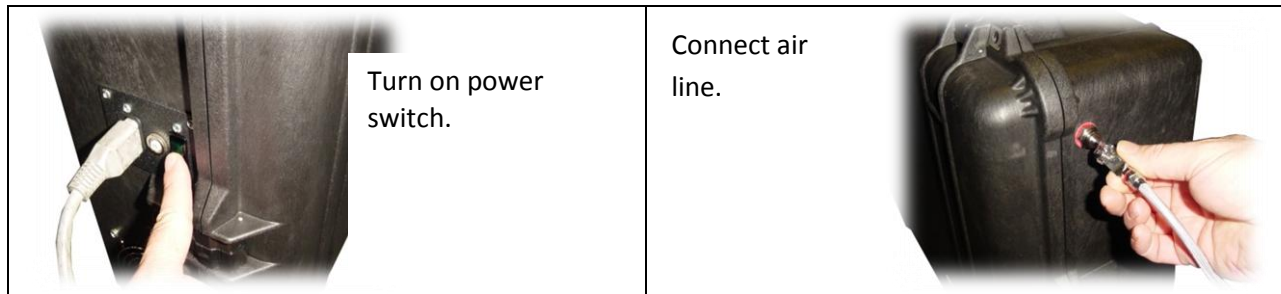
Specifications

Specification	ProAir I™	ProAir III™	ProStart™
Weight	42lbs	57lbs	37lbs
Size LxHxD	24-1/8"x19-1/2"x8-3/4"	22"x14"x18-1/2"	22"x14-1/2"x9-1/4"
Noise Level @ 3'	56db	55db	52db
Voltage/Hz/Phase	115/60/1 or 220/50/1	115/60/1 or 220/50/1	115/60/1 or 220/50/1
Amps	8@115V or 3.8@220V	7.6@115V or 3.7@220V	3.8@115V or 1.8@220v
Wattage	920W	875W	437W
Compressor	3/4Hp	3/4Hp	1/3Hp
Air Tank Volume	.95 US Gal.	1.4 US Gal.	.95 US Gal.

Operation

Set up operation is the same for all compressors.

	<p>Place compressor on level floor and in upright position.</p>		<p>Open lid and remove power cord.</p>
	<p>Make sure drain valve is closed.</p>	<p>Make sure there is nothing in or around fan area.</p>	
	<p>Close lid.</p>	<p>Plug in compressor to wall outlet and to compressor unit.</p>	



Dental Office Infection Control Guidelines (CDC)

DENTAL OFFICE INFECTION CONTROL GUIDELINES FOR THE PROTECTION OF PATIENTS AND DENTAL CARE PERSONNEL AS RECOMMENDED BY THE UNITED STATES CENTERS FOR DISEASE CONTROL (CDC)

NOTE: A medical history should be taken at the initial patient visit and on recall, updated with notations made on the chart.

Barrier Techniques

- 1) Dentists, hygienists and assistants should wear new gloves for each patient treated. Hands should always be washed with liquid soap before and after treatment, contact with patients or after touching inanimate objects likely contaminated by blood or saliva, and before leaving the operatory. Remove torn, cut or punctured gloves immediately, wash hands, and re-glove before completion of dental procedures.
- 2) During all treatment procedures, dentists, hygienists and assistants should wear face masks and protective eyewear, or in lieu of both of these, a chin-length plastic face shield.
- 3) Reusable and/or disposable gowns, laboratory coats or uniforms should be worn when street clothing may be soiled with blood or other body fluids. Gowns should be changed at least daily or when visibly soiled with blood.

Cleaning and Disinfection of Dental Unit and Environmental Surfaces

- 1) After treatment of each patient and at the completion of daily work activities, countertops and dental unit surfaces that may have become contaminated with patient material should be cleaned with disposable toweling, using an appropriate cleaning agent and water as necessary. Surfaces then should be disinfected with a suitable chemical germicide.
- 2) A chemical germicide registered with the EPA as a “hospital disinfectant” and labeled for “tuberculocidal” (i.e., mycobactericidal) activity is recommended for disinfecting surfaces that have been soiled with patient material. These intermediate level disinfectants include phenolics, iodophors, and chlorine-containing compounds. Because mycobacteria are among the most

resistant groups of microorganisms, germicides effective against mycobacteria should be effective against many other bacterial and viral pathogens. A fresh solution of sodium hypochlorite (household bleach) prepared daily is an inexpensive and effective intermediate-level germicide. Concentrations ranging from 500 to 800 ppm of chlorine (a 1:100 dilution of bleach and tap water or 1/4 cup of bleach to 1 gallon water) are effective on environmental surfaces that have been cleaned of visible contamination. Caution should be exercised, since chlorine solutions are corrosive to metals, especially aluminum.

3) Low-level disinfectants - EPA registered “hospital disinfectants” that are not labeled for “tuberculocidal” activity (e.g., quaternary ammonium compounds) - are appropriate for general housekeeping purposes such as cleaning floors, walls and other housekeeping surfaces. Intermediate and low level disinfectants are not recommended for reprocessing critical or semi-critical dental instruments.

4) Before high-level disinfection or sterilization, and while wearing heavy duty rubber (household) gloves, ultrasonically clean (preferably) or scrub instruments in order to remove debris.

Use and Care of Handpieces and Other Intra-oral Dental Devices

1) Routine between-patient use of a heating process capable of sterilization (i.e., steam under pressure (autoclaving), dry heat, or heat/chemical vapor) is recommended for all highspeed dental handpieces, lowspeed handpiece components used intra-orally, and reusable prophylaxis angles. Manufacturers’ instructions for cleaning, lubrication, and sterilization procedures should be followed closely to ensure both the effectiveness of the sterilization process and the longevity of these instruments. According to manufacturers, virtually all highspeed and lowspeed handpieces in production today are heat tolerant, and most heat-sensitive models manufactured earlier can be retrofitted with heat-stable components.

2) Internal surfaces of highspeed handpieces, lowspeed handpiece components, and prophylaxis angles may become contaminated with patient material during use. This retained patient material then may be expelled intra-orally during subsequent uses. Restricted physical access - particularly to internal surfaces of these instruments - limits cleaning and disinfection or sterilization with liquid chemical germicides. Surface disinfection by wiping or soaking in liquid chemical germicides is not an acceptable method for reprocessing highspeed handpieces, lowspeed handpiece components used intra-orally, or reusable prophylaxis angles.

3) Highspeed handpieces should be run to discharge water and air for a minimum of 20-30 seconds after use on each patient. Handpieces, in addition, should be heat sterilized between use on patients. This procedure is intended to aid in physically flushing out patient material that may have entered the turbine and air or water lines. Use of an enclosed container or high-velocity evacuation should be considered to minimize the spread of spray, splatter, and aerosols generated during discharge procedures. Additionally, there is evidence that overnight or weekend microbial accumulation in water lines can be reduced substantially by removing the handpiece and allowing water lines to run and to discharge water for several minutes at the beginning of each clinic day. Sterile saline or sterile water should be used as a coolant/irrigation when surgical procedures involving the cutting of bone are performed.

Other Important Issues

1) A “no-touch” technique (e.g., hemostats or needle holders), should be utilized when using “sharps” (needles, scalpels, blades, etc.).

- 2) In the operatory, sterilized and decontaminated instruments, charts, and other objects should be protected from patient contact.
- 3) “Sharps” should be disposed of in puncture proof containers; hazardous and/or infectious waste materials, which include “sharps,” should be disposed of in a manner consistent with prevailing local laws.
- 4) All dental personnel should be encouraged to receive immunization protection whenever possible, e.g., hepatitis B immunization.
- 5) All impressions, models and devises should be disinfected before submission and upon receipt from the dental laboratory.

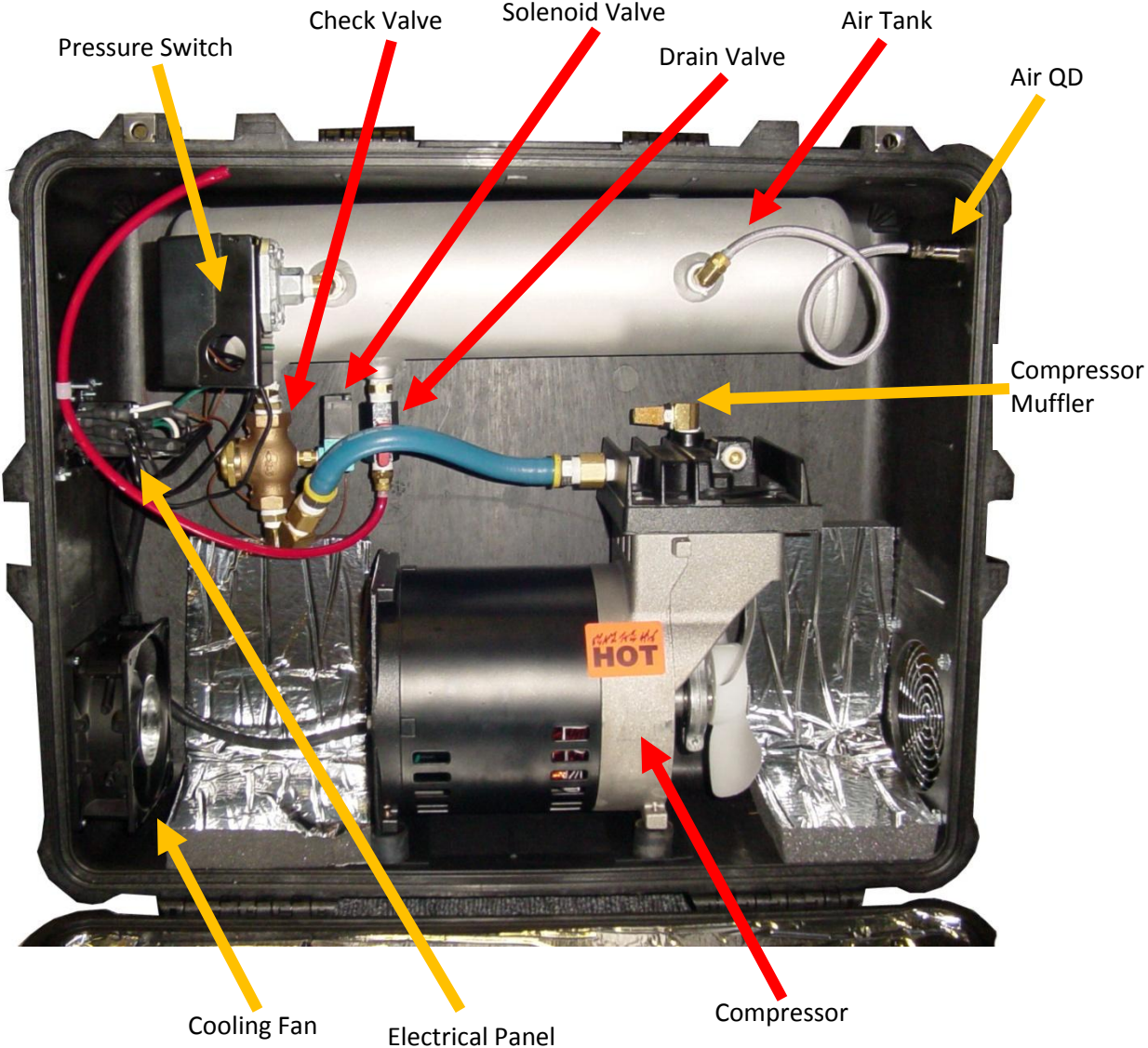
Shut Down Instructions

Shut down operation is the same for all compressors.

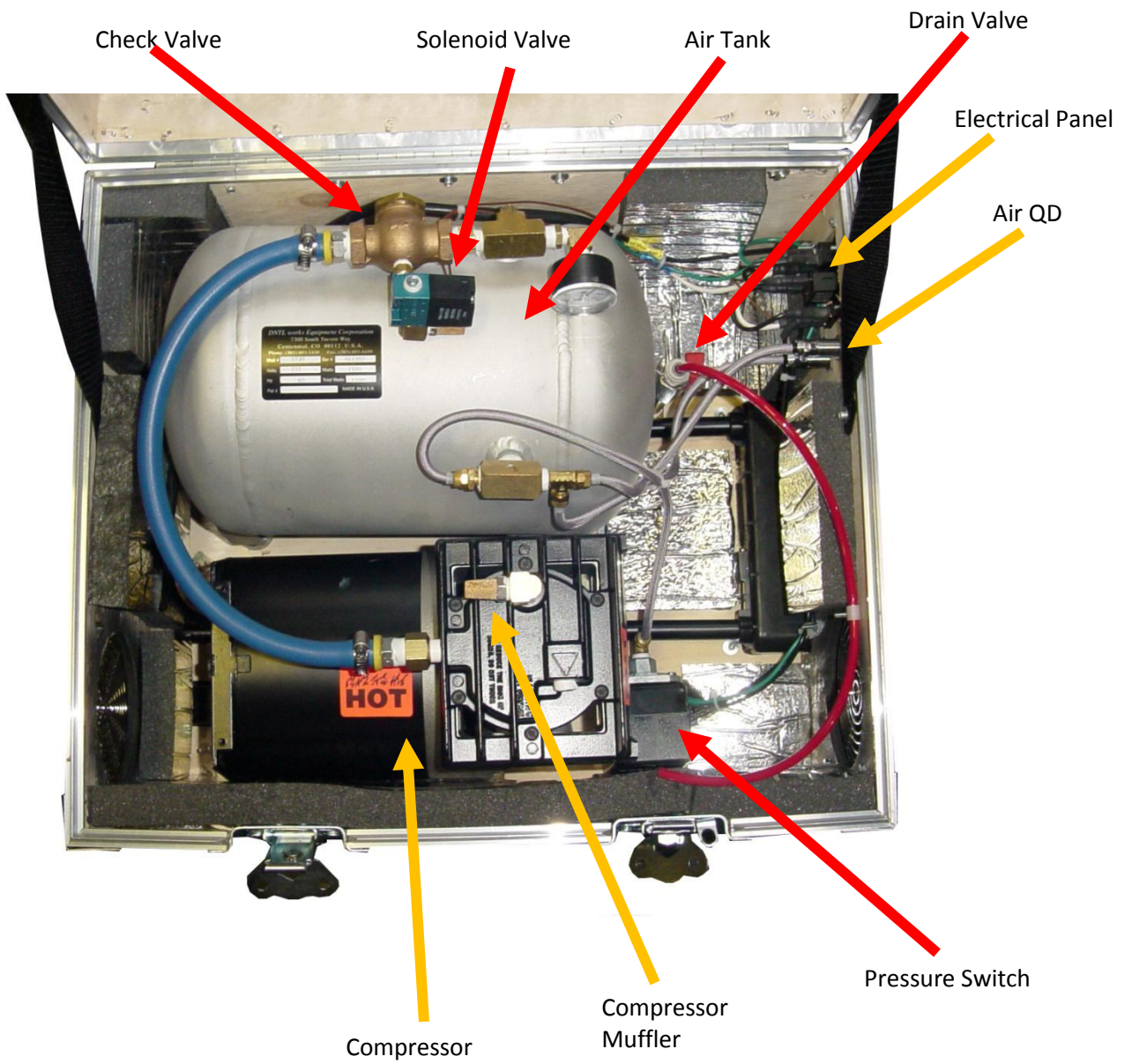
	<p>Disconnect air line.</p>		<p>Turn off power switch.</p>
	<p>Unplug unit.</p>		<p>Hold drain tubing over a container.</p>
	<p>Open drain valve until all moisture is drained from compressor air tank.</p>		<p>Place power cord in compressor unit.</p>
	<p>Close lid.</p>		

Compressor Component Views

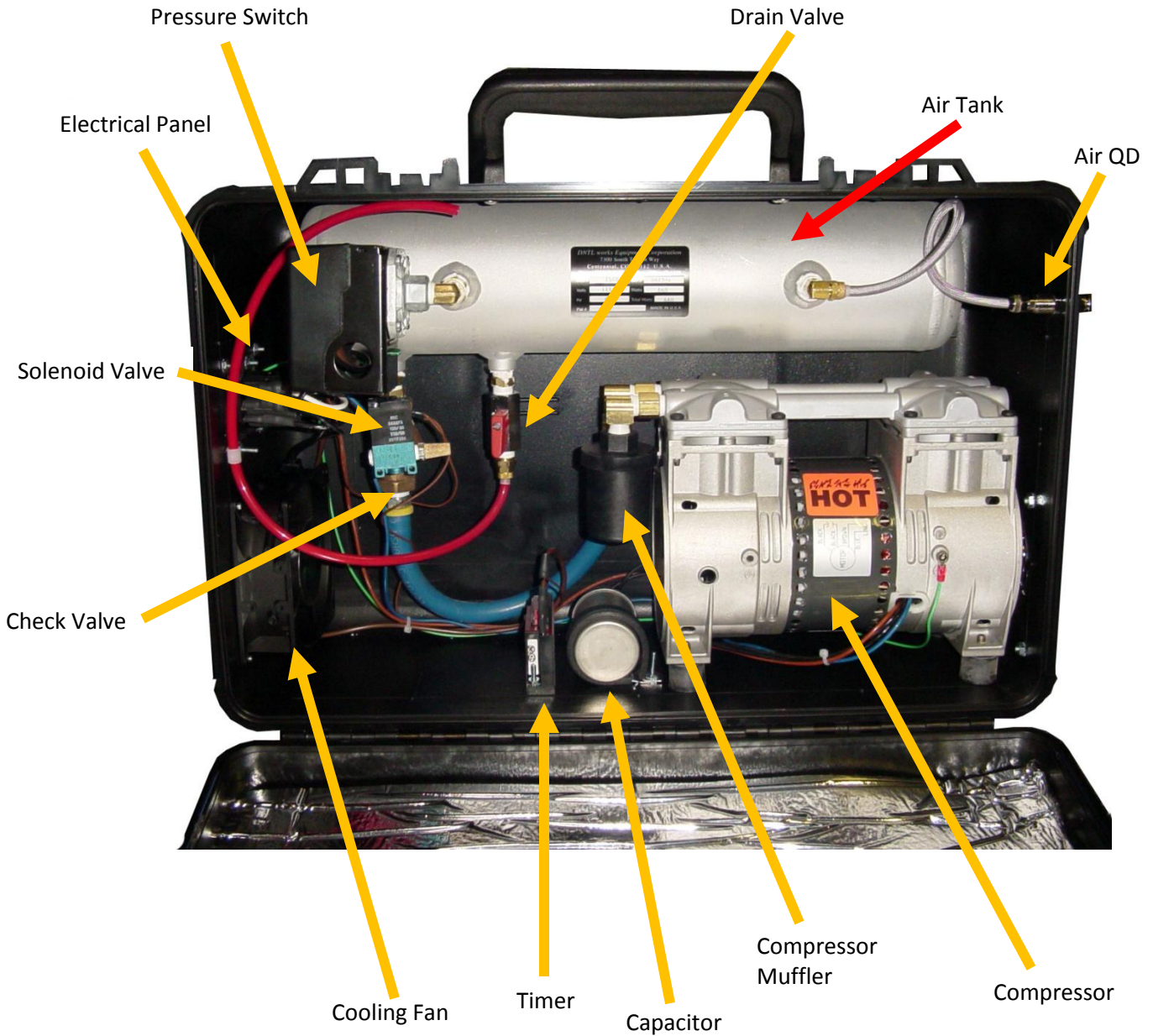
ProAir I



ProAir III

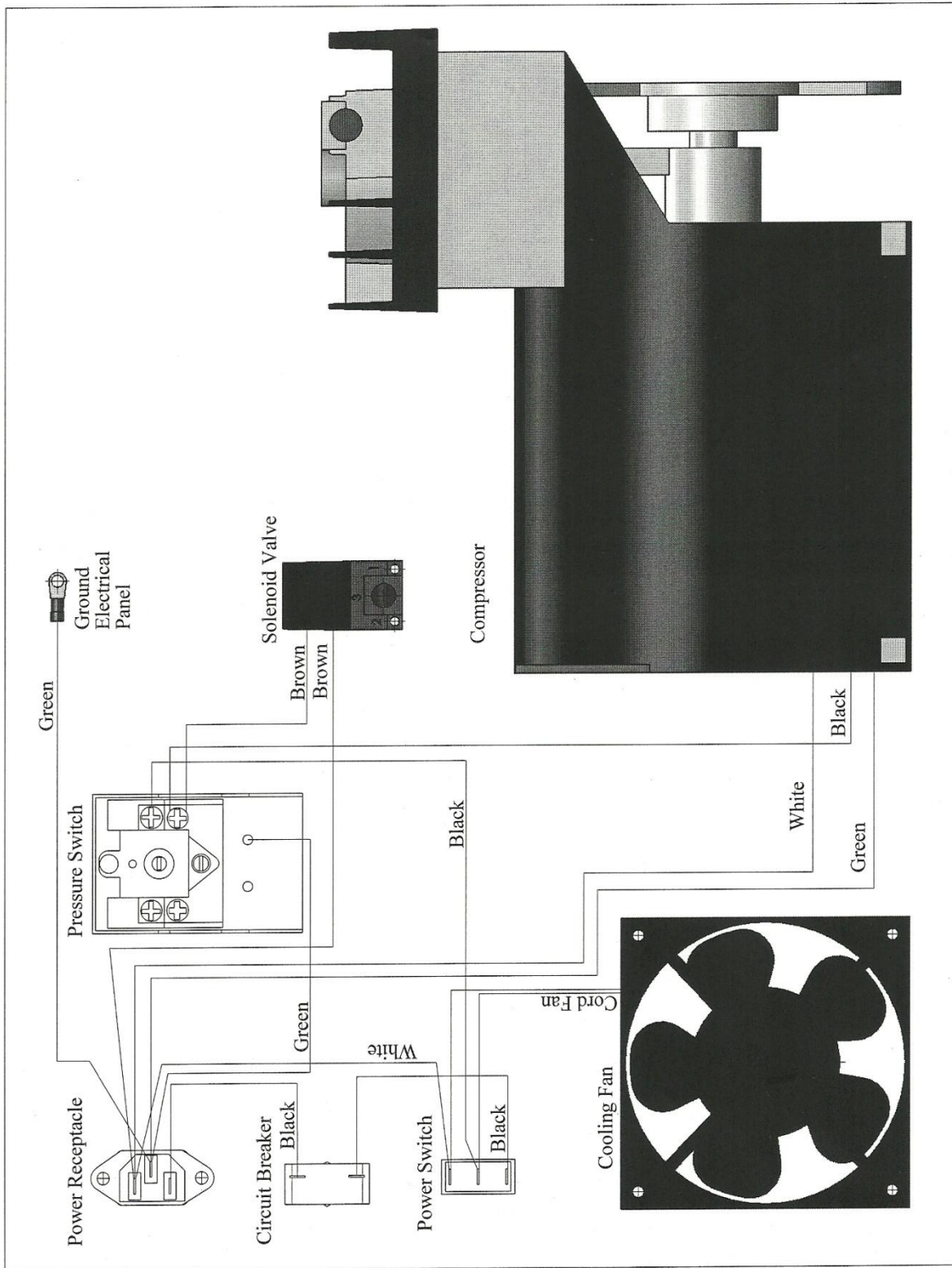


ProStart



Electrical Diagrams

ProAir I



ProAir III

