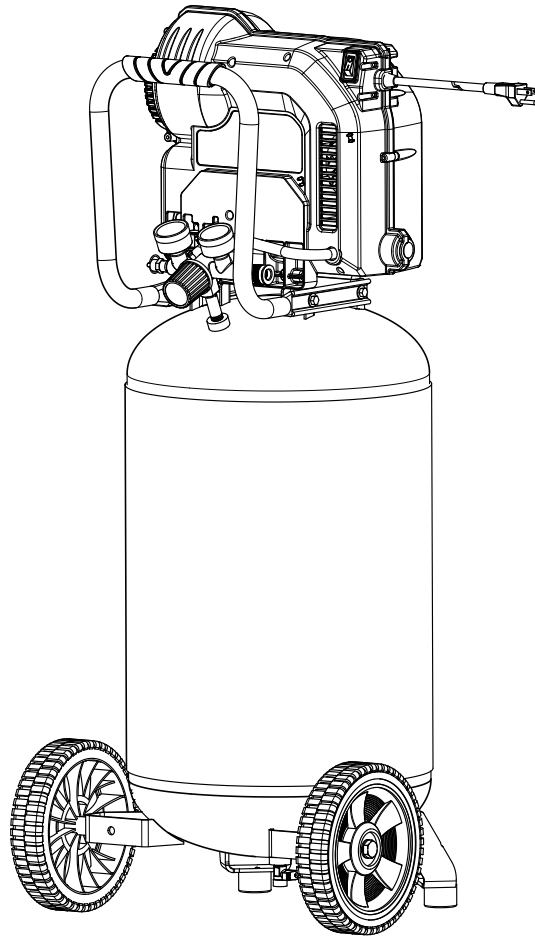




15 Gallon Air Compressor

Operating Instructions



Model: C152N
CSA File # U422517NX

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described.

Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

REMINDER: Keep your dated proof of purchase for warranty purposes! Attach it to this manual or file it for safekeeping.

Model#: _____

Serial#: _____

Purchase Date: _____

**For parts, product and service information
Please call 1-888-895-4549**



Distributed by:

Northern Tool & Equipment Company, Inc.

Burnsville, Minnesota 55306

www.northerntool.com

READ AND FOLLOW ALL INSTRUCTIONS • SAVE THESE INSTRUCTIONS • DO NOT DISCARD

BEFORE YOU BEGIN

Description

Thank you for purchasing this NorthStar®, oilless compressor. For over 100 years, we have manufactured products that are durable, reliable and just easy to use and maintain. Portable oilless air compressors are for home and workshop use.

UNPACKING

After unpacking the unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing or damaged parts. Check to be sure all supplied accessories are enclosed with the unit. In case of questions, damaged or missing parts, please call 888-895-4549 for customer assistance.

⚠ WARNING

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

GENERAL SAFETY INSTRUCTIONS

Overview of Safety Warning System and Your Responsibilities

READ THIS MANUAL BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THE INSTRUCTIONS AND SAFETY PRECAUTIONS IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH. KEEP THIS MANUAL FOR FUTURE REFERENCE.

Your safety and the safety of others depend on you thoroughly reading and understanding this manual. If you have questions or do not understand the information presented in this manual, please call 888-895-4549.

Most tool-related incidents are caused by failure to observe basic safety rules or precautions. You must be alert to potential hazards. You must have the necessary training, skills and tools to perform these functions. NorthStar® cannot anticipate every possible circumstance that might involve a potential hazard. Therefore, the warnings in this manual are not all inclusive. If a tool, procedure, work method or operating technique that is not specifically recommended by NorthStar® is used, you must satisfy yourself that it is safe for you and for others. You should also ensure that the product will not be damaged or be made unsafe by the operation, lubrication, maintenance or repair procedures that you choose.

Safety Guidelines

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.

⚠ 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.

IMPORTANT or NOTE: Information that requires special attention.

GENERAL SAFETY INSTRUCTIONS (CONTINUED)

Safety Symbol

The following Safety Symbols appear throughout this manual to alert you to important safety hazards and precautions.



Read Manual First



Wear Eye and Mask Protection



Risk of Fire



Risk of Moving Parts



Risk of Shock



Risk of Explosion



Risk of Fumes



Risk of Pressure

California Proposition 65



This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



You can create dust when you cut, sand, drill, or grind materials such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.

Important Safety Announcement

Please read and save these instructions. Read carefully before attempting to assemble, install, operate, or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

This manual contains important safety, operational, and maintenance information. If you have any questions, please visit call 888-895-4549 for customer assistance.

Since the air compressor and other components used (material pump, spray guns, filters, lubricators, hoses, etc.) make up a high pressure pumping system, the following safety precautions must be observed at all times:



1. Read all manuals included with this product carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
2. Follow all local electrical and safety codes as well as in the United States, the National Electrical Codes (NEC) and Occupational Safety and Health Act (OSHA).
3. Only persons well acquainted with these rules of safe operation should be allowed to use the compressor.



4. Keep visitors away and keep out of reach of children.
5. Wear safety glasses and use hearing protection when operating the unit.
6. Do not stand on or use the unit as a handhold.
7. Before each use, inspect compressed air system and electrical components for signs of damage, deterioration, weakness or leakage. Repair or replace defective items before using.
8. Check all fasteners at frequent intervals for proper tightness.



Motors, electrical equipment and controls can cause electrical arcs that will ignite a flammable gas or vapor. Never operate or repair in or near a flammable gas or vapor. Never store flammable liquids or gases in the vicinity of the compressor.



⚠ WARNING

Do not operate with guard removed.



⚠ WARNING

Risk of electric shock. Use GFCI. Use indoors only. Disconnect all connections before servicing.

9. Do not wear loose clothing or jewelry that will get caught in the moving parts of the unit.

⚠ CAUTION

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

10. Keep fingers away from a running compressor; fast moving and hot parts will cause injury and/or burns.
11. If the equipment should start to vibrate abnormally, STOP the engine/motor and check immediately for the cause. Vibration is generally a warning of trouble.
12. To reduce fire hazard, keep engine/motor exterior free of oil, solvent, or excessive grease.

⚠ WARNING

An ASME code safety relief valve with a setting no higher than the maximum allowable working pressure (MAWP) MUST be installed in the tank for this compressor. The ASME safety valve must have sufficient flow and pressure ratings to protect the pressurized components from bursting.

⚠ CAUTION

See compressor specification decal for maximum operating pressure. Do not operate with pressure switch or pilot valves set higher than the maximum operating pressure.

13. Never attempt to adjust ASME safety valve. Keep safety valve free from paint and other accumulations.

⚠ WARNING

NEVER use plastic (PVC, ABS, or CPVC) pipe for compressed air.



⚠ DANGER

Risk of bursting. If air tank develops a leak, replace the air tank immediately. Never repair, weld, modify the air tank or attachments. Never make adjustments to the factory set pressures. Never exceed manufacturer's maximum allowable pressure rating of attachments.

⚠ WARNING

Drain liquid from tank daily.

14. Tanks rust from moisture build-up, which weakens the tank. Make sure to drain tank regularly and inspect periodically for unsafe conditions such as rust formation and corrosion.
15. Fast moving air will stir up dust and debris which may be harmful. Release air slowly when draining moisture or depressurizing the compressor system.

⚠ WARNING

Serious injury or death could occur from inhaling compressed air. Never inhale air from the air compressor either directly or from a breathing device connected to the air compressor. The air stream may contain carbon monoxide, toxic vapors or solid particles.

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

Spraying Precautions

⚠ WARNING

Risk of fire and explosion. When a combustible liquid is sprayed there can be danger of fire or explosion, especially in a closed area. Keep the compressor/motor at least 6 meters (18 feet) away from explosive vapors.



16. DO NOT spray flammable materials in vicinity of an open flame, or near ignition sources including the compressor unit. Keep away from heat, sparks and flame.
17. DO NOT smoke. Extinguish all flames and pilot lights and turn off stoves, heaters, electric motors, and other sources of ignition during use and until all vapors are gone.
18. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Use only with adequate ventilation.
19. Do not breathe dust, vapors, or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness, wear respiratory protection (NIOSH approved or equivalent) or leave the area.
20. Follow OSHA and CSA safety regulations for personal protective equipment. Typical equipment may include safety glasses, respirator, and/or work gloves and is dependent upon the application type, amount of use, and workspace.

SPECIFICATIONS

C152N	
Running HP	1.3
Tank Capacity	15 gallons
Phase	Single
Number of Cylinders	1
Air Delivery @ 90 PSI	4.0 SCFM
Voltage	120
Amperes	15
Hertz (Cycles)	60
Maximum Pressure	225 PSI
Tank Outlet Size	1/4 in. Universal Quick Connect
Unit Weight	69 pounds

DIMENSIONS

C152N	
Length	16.3 in.
Width	18.1 in.
Height	41.7 in.

GETTING TO KNOW YOUR COMPRESSOR

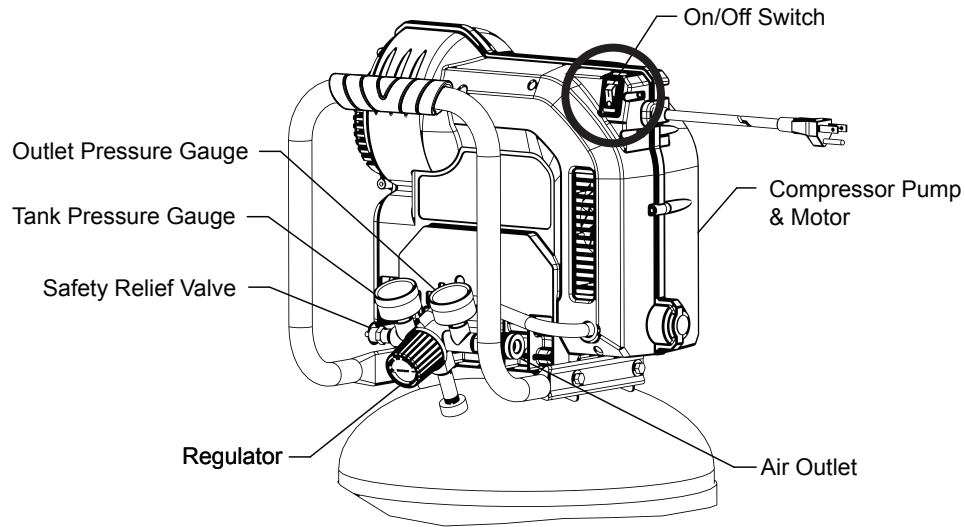


Figure 2

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.

Amps or Amperage - A measure of the electrical force minus the resistance on an electrical line. This air compressor requires 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.

Volts or Voltage - A measurement of the force of an electrical current.

Cut-in / Cut-off Pressure - Specific psi at which a compressor starts and stops while refilling the air tank.

Pressure Switch - The compressor shuts off automatically when tank pressure reaches the maximum preset pressure. After air is used from the tank and drops to a preset low level, the pressure switch automatically turns the motor back on.

NOTE: The On / Off switch should be in the "Off" position when connecting or disconnecting the power cord from the electrical outlet. (Figure 2)

Regulator - The regulator controls the amount of air pressure at the hose outlet. Turning the regulator knob clockwise (to the right) will increase air pressure at the outlet. Turning knob counterclockwise (to the left) will lower air pressure to the outlet. Turning knob fully counterclockwise will shut off flow of air completely.

Handle - Designed to move the compressor.

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

GETTING TO KNOW YOUR COMPRESSOR (CONTINUED)

Exhaust Tube - This tube carries compressed air from the pump to the check valve. This tube becomes very hot during use. To avoid the risk of severe burns, never touch the exhaust tube. **Not shown.**

Check Valve - One-way valve that allows air to enter the tank, but prevents air in the tank from flowing back into the compressor pump. **Not shown.**

Air Outlet - A quick connect coupler designed to work in combination with quick connect plug to quickly and easily join the air compressor to an air hose.

Pressure Gauges - Show air pressure in the compressor tank and at the compressor outlet.

Outlet Pressure Gauge - Will show air pressure at the outlet in pounds per square inch (psi). Make sure this gauge reads ZERO (by adjusting regulator knob fully counterclockwise) before changing air tools or disconnecting air hose from outlet.

Tank Pressure Gauge - Will show air pressure in tank while the compressor is running, indicating compressor is building pressure properly. This gauge will show maximum pressure of compressor when it shuts off automatically at the pressure switch.

Drain Valve - This valve is located underneath the tank. Use this valve to drain moisture from the tank daily to reduce the risk of corrosion.

⚠ WARNING *Drain liquid from tank daily.*

Reduce tank pressure below 10 psi, then drain moisture from tank daily to avoid tank corrosion. Drain moisture from tank by opening the drain valve located underneath the tank.

ELECTRICAL REQUIREMENTS

General Electrical Connections

⚠ WARNING *Risk of electric shock. Use GFCI. Use indoors only. Disconnect all connections before servicing. Use identical replacement parts. Servicing must be performed by a licensed, qualified electrician.*

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 compressor is equipped with an electric cord having an equipment-grounding conductor and a grounding plug, shown in Figure 3. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

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 compressor is properly grounded check with a qualified electrician or service personnel.

ELECTRICAL REQUIREMENTS (CONTINUED)

Grounding Instructions

1. This product is for use on a nominal 120 v circuit. It must be grounded. In the event of an electric short circuit, grounding reduces the risk of electrical shock by providing an escape wire for the electric current. Unit is equipped with a cord that has a grounding prong. It will fit one of the common outlet types shown in Figure 3. If plug will not fit in the desired outlet, have the outlet replaced by a qualified electrician.

⚠ WARNING *Risk of electric shock. Improper use of grounding plug can result in a risk of electrical shock. Plug must be plugged into an outlet that is properly installed and grounded in accordance with local codes and ordinances.*

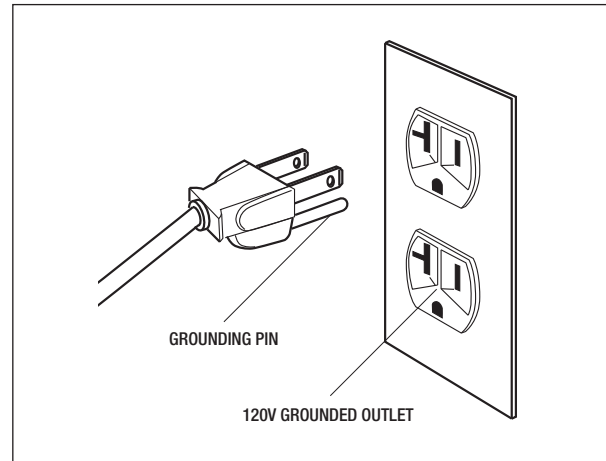


Figure 3 - Grounding Method

NOTICE

Do not use grounding adapter.

2. Always check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. Do not modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. Use only a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that accepts the plug on the product. Make sure your extension cord is not damaged. When using an extension cord, be sure to use one heavy enough to carry the current your product draws. For lengths less than 25 ft. 16-3 AWG extension cords should be used. An undersized cord results in a drop in the voltage and loss of power and overheating. (**NOTE:** Table 1 shows the correct size to use depending on cord length. When in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.)
4. Use of an extension cord may cause excess heat to motor. This could lead to tripped breaker (at electrical panel) or tripped thermal overload (on compressor motor). If this occurs, eliminate extension cord and plug compressor directly into electrical outlet. Avoid using extension cords; use longer air hose(s) instead.

If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

Extension Cords

1. The air compressor should be located where it can be directly plugged into an outlet. Although extension cord is not recommended, if you must use only a 3 wire extension cord that has a 3 blade grounding plug and a 3 slot receptacle that accepts the plug on the product. When using an extension cord be sure to use one heavy enough to carry the current the product draws.
2. To avoid loss of power and overheating, an additional air hose must be used to reach work area instead of extension cords.

TABLE 1		
Amp Rating	Cord Length	Wire Size
14-16	25 ft.	16
	50 ft.	12

110-120 volt 60Hz 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 compressor is plugged in and turned on.

ELECTRICAL REQUIREMENTS (CONTINUED)

Plugs and Receptacles

1. If the plug on the electrical cord of the unit is unfamiliar to you or will not fit your particular receptacle, Figure 3 will help you understand why by illustrating the different plugs and the voltages they are to be used with.
2. Make sure that the product is connected to an outlet with the same configuration as the plug.
3. The receptacles must be connected to circuits rated to carry at least the voltage and amperages shown.
4. NEVER have a receptacle replaced with one of a higher amperage before determining the change can be made according to all electrical codes affecting your particular area. The installation should be made by a qualified electrician. If the products must be reconnected for use on different types of circuits, the re-connection should be made by qualified personnel.

⚠ WARNING

Overheating, short circuiting, and fire damage will result from inadequate wiring.

Electrical Installation

⚠ WARNING

All wiring and electrical connections should be performed by a qualified electrician. Installation must be in accordance with local codes and national electrical codes.

Wiring

1. Local electrical wiring codes differ from area to area. Source wiring, plug and protector must be rated for at least the amperage and voltage indicated on motor nameplate, and meet all electrical codes for this minimum.
2. Use a slow blow fuse or a circuit breaker.
3. This product is for use on a nominal 120 volt circuit and has a grounding plug that looks like the plug illustrated in Figure 3.

Make sure the product is connected to an outlet having the same configuration as the plug. This product must be grounded. In the event of an electrical short circuit, grounding reduces risk of electrical shock by providing an escape wire for electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. Plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Substitution of the signal word “DANGER” for “WARNING” is not prohibited when the risk associated with the product is such that a situation exists which if not avoided will result in death or serious injury.

⚠ CAUTION

Overheating, short circuiting, and fire damage will result from inadequate wiring.

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

⚠ CAUTION

All wiring and electrical connections should be performed by a qualified electrician. Installation must be in accordance with local codes and national electrical codes.

⚠ DANGER

Do not use a grounding adapter with this product!

⚠ WARNING

All wiring and electrical connections should be performed by a qualified electrician. Installation must be in accordance with local codes and national electrical codes.

⚠ WARNING

Improper installation of grounding plug is able to result in a risk of electric shock. When repair or replacement of the cord or plug is required, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

⚠ WARNING

Never connect green (or green and yellow) wire to a live terminal.

⚠ WARNING

Overheating, short circuiting, and fire damage will result from inadequate wiring, etc.

Thermal Overload Protector

This compressor has an automatic thermal protector that shuts off the motor if it overheats or has too much current. This protector is a "trip and hold" protector. To reset, unplug the compressor and allow it to completely cool. This should allow the automatic overload to reset. The protector may not reset unless it is unplugged.

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

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. **Do not use below garage floor or grade level.**
4. To avoid loss of power and overheating, it is better to use additional air hose instead of extension cords to reach work area.

OPERATION

Before Each Start-up Operating Procedure

1. Turn regulator knob fully counter clockwise (to the left) to close air flow.
2. Connect air hose to outlet of regulator.
3. Turn ON/OFF Switch to OFF position.
4. Plug in power cord.
5. Turn ON/OFF Switch to ON position and let compressor run until it reaches automatic shutoff pressure.
6. Attach tire chuck or tool to end of hose.
7. Adjust regulator to proper pressure for tool or tire. Operate tool per instructions.

As air is depleted from the tank by use of a tire chuck, tool, etc., the compressor will restart automatically at its preset "cut-in" pressure. When a tool is being used continuously, the compressor will cycle on and off automatically.

8. Turn switch to OFF position, unplug power cord, and drain tank.

MAINTENANCE

⚠ WARNING

Disconnect power source then release all pressure from the system before attempting to install, service, relocate, or perform any maintenance. Service should be performed by an authorized service representative.

The compressor should be checked often for any visible problems and the following maintenance procedures should be performed each time the compressor is used.

ASME Safety Relief Valve



WARNING

Wear safety glasses. Check the safety valve by performing the following steps:

1. Turn the air compressor on and allow the tank to fill. The compressor will shut off when the pressure reaches the preset maximum.
2. Turn the air compressor off.
3. Pull the ring on the safety valve to release the air for several seconds. ALWAYS use your hand to deflect fast-moving air past your face.
4. Release the ring. Air will stop escaping when the ring is released at approximately 40 psi - 60 psi.
5. If air leaks after the ring has been released, or if the valve is stuck and cannot be actuated by the ring, remove the unit from service. DO NOT use the air compressor until the safety valve has been replaced. Use of the air compressor in this condition could result in death or serious bodily injury.

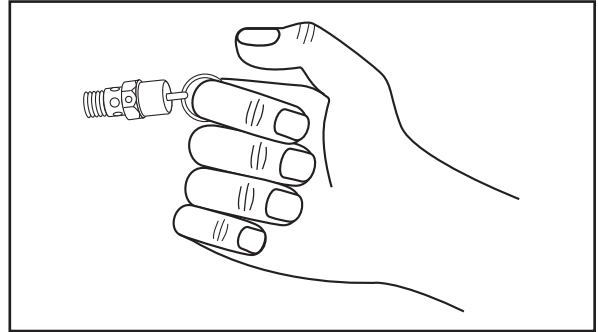


Figure 4



WARNING

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

Drain Tank

With compressor shut off and pressure released: Drain moisture from tanks by opening drain valve underneath tanks (See Figure 5).

Cleaning

Turn power OFF and clean dust and dirt from compressor.

Lubrication

This is an oilless type compressor requiring no lubrication.

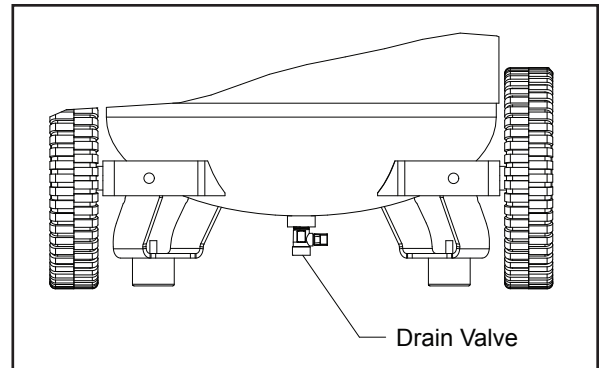


Figure 5

End of Operation/Storage

1. Turn Auto ON/OFF switch to OFF position.
2. Unplug power cord from wall outlet and wrap around handle to prevent damage when not in use.
3. While wearing safety glasses, drain tank of air by pulling the ring on the safety valve. Use other hand to deflect fast moving air from being directed toward your face.
4. Drain tank of condensation by opening drain valve on bottom of tank. Tank pressure should be below 10 psi when draining tank.
5. Air hose should be disconnected from compressor and open end hanging down to drain condensation.
6. Compressor and hose should be stored in a cool, dry place.

Technical Service

For information regarding the operation or repair of this product, please call 888-8954549.

Maintenance Schedule		
Operation	Daily	Weekly
Drain Tank	•	
Check Safety Valve		•

[illegible]

Troubleshooting

Problem	Possible Cause	Solution
The compressor does not run.	☐ There is a loss of power or the motor is overheated.	☐ Check for proper use of extension cord.
	☐ The circuit breaker has tripped or a fuse has blown at the main power source.	☐ Check to be sure the unit is plugged in.
	☐ The circuit breaker has tripped or a fuse has blown at the main power source.	☐ Check the fuse/breaker.
	☐ The thermal overload protector is actuated.	☐ Turn the air compressor OFF (O).
		☐ Unplug air compressor and wait until compressor cools down.
		☐ Plug the air compressor into an approved outlet.
		☐ Turn the air compressor ON (I).
	☐ The pressure switch is bad.	☐ Bring the compressor to a service center.
	☐ The compressor has reached automatic shutoff pressure.	☐ Release the air from the tank until the compressor restarts automatically.
The motor hums while running slowly, or it doesn't run at all.	☐ There is low voltage from the power source.	☐ Call an electrician.
	☐ The wrong gauge wire or length of extension cord is being used.	☐ Check for proper gauge wire and cord length.
	☐ There is a shorted or open motor wiring.	☐ Bring the compressor to a service center.
	☐ There is a defective check valve or unloader.	☐ Bring the compressor to a service center.
The fuses blow or circuit breaker trips repeatedly.	☐ The incorrect fuse type is being used.	☐ Check for the proper fuse.
		☐ Use a time-delay fuse. Disconnect other electrical appliances from the circuit or operate the compressor on its own branch circuit.
	☐ The wrong gauge wire or length of extension cord is used.	☐ Check for the proper gauge wire and cord length.
	☐ There is a defective check valve or unloader.	☐ Bring the compressor to a service center.

Troubleshooting

Problem	Possible Cause	Solution
The thermal overload protector cuts out repeatedly.	☐ There is low voltage from the power source.	☐ Call an electrician.
	☐ There is a lack of proper ventilation, or the room temperature is too high.	☐ Move the compressor to a well-ventilated area.
	☐ The wrong gauge wire or length of extension cord is being used.	☐ Check for proper gauge wire and cord length.
The air receiver pressure drops when the compressor shuts off.	☐ The connections (fittings, tubing, etc.) are loose and leaking.	☐ Check all connections with a soap and water solution and tighten.
	☐ The drain valve is loose or open.	☐ Tighten the drain valve.
	☐ The check valve is leaking.	☐ Bring the compressor to a service center.
There is excessive moisture in the discharge air.	☐ There is excessive water in the air tank.	☐ Drain the tank.
	☐ The compressor is working under a high humidity environment.	☐ Move the compressor to an area of less humidity; use an air line filter.
The compressor continuously runs.	☐ The pressure switch is defective.	☐ Bring the compressor to a service center.
	☐ An excessive amount of air is being used.	☐ Decrease the air usage; the compressor is not large enough for the tool's requirement.
The air output is lower than normal.	☐ The inlet valves are broken.	☐ Bring the compressor to a service center.
	☐ The connections (fittings, tubing, etc.) are loose and leaking.	☐ Tighten the connections.

LIMITED WARRANTY

Dear Valued Customer:

The NorthStar® Product you just purchased is built with the finest material and craftsmanship. Use this product properly and enjoy the benefits from its high performance. By purchasing a NorthStar® product, you show a desire for quality and durability. Like all mechanical equipment, this unit requires a due amount of care. Treat this unit like the high quality piece of machinery it is. Neglect and improper handling may impair its performance. Please thoroughly read the instructions and understand the operation before using your product. Always contact NorthStar® Product Support at 1-888-895-4549 prior to having any service or warranty work performed, as some services performed by parties other than NorthStar® approved service centers may void this warranty. This warranty is in lieu of any other warranty expressed or implied and NorthStar® assumes no other responsibility or liability outside that expressed within this warranty.

Limited Warranty

NorthStar® shall warranty any piece of equipment manufactured, or parts of equipment manufactured, to be free from defects in material or workmanship for a period of:

NorthStar® Warranty		
Item #	Consumer Warranty Period	Commercial Warranty Period
C152N	4 years from date of purchase by use	2 years from date of purchase by user

“Consumer use” means personal residential household use by a consumer. “Commercial use” means all other uses, including use for commercial, income producing, or rental purposes or when purchased by a business.

This warranty applies to the original purchaser of the equipment (verification of purchase, in the form of a receipt, is the responsibility of the buyer), is non-transferable, and covers parts and labor. Parts will be replaced or repaired at no charge, except when the equipment has failed due to lack of proper maintenance. If a part is no longer available, the part may be replaced with a similar part of equal function. Any misuse, abuse, alteration, or improper installation or operations will void warranty. Determining whether a part is to be replaced or repaired is the sole decision of NorthStar®. NorthStar® will not provide for replacement of complete products due to defective parts. Any costs incurred due to replacement or repair of items outside of a NorthStar® approved facility is the responsibility of the buyer and not covered under warranty. Transportation costs to and from the service center is the responsibility of the customer. For technical repairs, a service center may be dispatched to conduct the repair on-site.

In addition to the normal warranty, NorthStar® shall warrant any normal wear item from defects in material or workmanship for a period of 90 days from the date of purchase by user. Normal wear items include, but are not limited to, belts, sheaves, flywheels, check valves, pressure switches, air unloaders, throttle controls, electric motors, brushes, regulators, O-rings, pressure gauges, tubing, piping, fittings, fasteners, wheels, quick couplers, gaskets, seals, air filter housings, piston rings, connecting rods, and piston seals.

This warranty specifically excludes the following items: routine maintenance items such as oil, lubricants, and air filters, as well as changing oil, air filters, belt tensioning, etc., fall under the owner’s responsibility. Additional exclusions include: freight damage, failures resulting from neglect, accident, or abuse, induction motors when operated from a generator, oil leaks, air leaks, oil consumption, leaky fittings, hoses, petcocks, bleeder tubes, and transfer tubes. Additional exclusions include: loss of running time, inconvenience, loss of income, or loss of use. Additional exclusions include: failure of parts due to damage caused by accident, fire, flood, windstorm, or acts of God, Applications not approved by NorthStar® in writing, corrosion caused by chemicals, use of replacement parts which do not conform to manufacturer’s specifications, and damage related to rodent and/or insect infestation and damage caused by vandalism.

EXCEPT AS PROVIDED HEREIN, NORTHSTAR® BY AND THROUGH ITS OWNER NORTHERN TOOL & EQUIPMENT COMPANY, INC. ("NTE") HEREBY DISCLAIMS ALL WARRANTIES (WHETHER EXPRESS, STATUTORY, OR IMPLIED) INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. YOU AGREE THAT YOUR SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE THE REPAIR OR REPLACEMENT OF YOUR NORTHSTAR® PRODUCT, AT NTE'S DISCRETION. NTE SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, DIRECT, INDIRECT, OR PUNITIVE DAMAGES ARISING OUT OF YOUR USE OF THE NORTHSTAR® PRODUCT.

You should also be aware of the following:

- Repairs requiring overtime, weekend rates, or any other charges beyond the standard shop labor rate are not covered.
- Time required for orientation training for the service center to gain access to the product, or additional time due to inadequate egress.
- Damage caused by incorrect voltage, improperly wired, or failure to have a certified licensed electrician install the compressor, will render this warranty null and void.
- Damage caused from inadequate filter maintenance.
- Pump wear or valve damage caused by using oil not specified.
- Pump wear or damage caused by any oil contamination.
- Pump wear or valve damage caused by failure to follow proper maintenance guidelines.
- Operation below proper oil level or operation without oil.
- Power Equipment needs periodic parts and service to perform well, and this warranty does not cover instances when normal use has exhausted the life of a component or the motor.

This warranty does not cover any personal injury or damage to surrounding property caused by failure of any part. Repair or replacement of parts does not extend the warranty period.

Please fill in the following information and have it on hand when you call for a warranty claim.

Customer Number: _____

Date of Purchase: _____

NorthStar® Serial Number: _____

Item Number: _____

