

# KLUTCH<sup>®</sup>

## 20 VOLT, 2-GALLON PORTABLE AIR COMPRESSOR

### Owner's Manual



(Battery Sold Separately)

**⚠ WARNING:** Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

**Item # 6076701**

**READ & SAVE THESE INSTRUCTIONS**

Thank you very much for choosing a KLUTCH product!

For future reference, please complete the owner's record below:

Serial Number/Lot Date Code: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Save the receipt, warranty, and this manual. It is important that you read the entire manual to become familiar with this product before you begin using it.

This 20 VOLT,2-GALLON PORTABLE AIR COMPRESSOR is designed for certain applications only. Northern Tool and Equipment is not responsible for issues arising from modification or improper use of this product such as an application for which it was not designed. We strongly recommend that this product not be modified and/or used for any application other than that for which it was designed.

For technical questions, please call **1-866-915-8626**.

## SPECIFICATIONS

Voltage: 20V Max

Power: 0.6HP

Tank Capacity: 2.0Gal

Noisy Level: 60db


Max pressure: 125PSI

Flow rate: 1.5cfm@90PSI, 2.0cfm@40PSI

## PARTS DIAGRAM



## GENERAL SAFETY INSTRUCTIONS

 **WARNING:** Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

### READ ALL INSTRUCTIONS

#### KNOW YOUR POWER TOOL

Read the operator's manual carefully. Learn the applications and limitations as well as specific potential hazards related to this tool.

#### GUARD AGAINST ELECTRICAL SHOCK BY PREVENTING BODY CONTACT WITH GROUNDED SURFACES

For example: pipes, radiators, ranges, refrigerator enclosures.

**KEEP GUARDS IN PLACE** and in working order.

#### REMOVE ADJUSTING KEYS AND WRENCHES

Form a habit of checking to see keys and adjusting wrenches are removed from the tool before turning it on.

#### KEEP THE WORK AREA CLEAN

Cluttered work areas and work benches invite accidents. **DO NOT** leave tools or pieces of wood on the tool while it is in operation.

#### DO NOT USE IN DANGEROUS ENVIRONMENTS

**DO NOT** use power tools in damp or wet locations or expose them to rain. Keep the work area well lit.

#### KEEP CHILDREN AND VISITORS AWAY

All visitors should wear safety glasses and be kept a safe distance from work area. Do not let visitors contact tools or extension cords while operating.

#### MAKE WORKSHOPS CHILDPROOF

By removing switch keys, unplugging tools from the electrical receptacles, and using padlocks.

#### DON'T FORCE THE TOOL

It will do the job better and safer at the rate for which it was designed.

#### USE THE RIGHT TOOL

**DO NOT** force the tool or attachment to do a job for which it was not designed.

#### USE THE PROPER EXTENSION CORD

Make sure your extension cord is in good condition. Use only a cord heavy enough to carry the current your product will draw.

#### KEEP BLADES CLEAN, SHARP, AND WITH SUFFICIENT SET

Sharp blades minimize stalling and kickback.

#### DRESS APPROPRIATELY

**DO NOT** wear loose clothing, neckties, or jewellery that can get caught and draw you into moving parts. Rubber gloves and nonslip footwear are recommended when working outdoors. Also wear protective hair covering to contain long hair.

#### ALWAYS WEAR SAFETY GLASSES WITH SIDE SHIELDS

Everyday eyeglasses have only impact-resistant lenses, they are **NOT** safety glasses.

#### SECURE WORK

Use clamps or a vice to hold work when practical, it is safer than using your hand and frees both hands to operate the tool.

#### DO NOT OVERREACH

Keep proper footing and balance at all times.

#### MAINTAIN TOOLS WITH CARE

Always keep tools clean and in good working order. Keep all blades and tool bits sharp, dress grinding wheels and change other abrasive accessories when worn.

#### DISCONNECT TOOLS

When not in use, before servicing, or when changing attachments, blades, bits, cutters, etc., all tools should be disconnected from the power supply.

#### AVOID ACCIDENTAL STARTING

Always check that the switch is off before plugging any power tool into a power source.

#### USE RECOMMENDED ACCESSORIES

The use of incorrect or improper accessories may result in injury to the operator or damage to the tool.

#### NEVER STAND ON A TOOL

Serious injury could occur if the tool is tipped.

#### CHECK DAMAGED PARTS

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged must be properly repaired or replaced by an authorised service centre to avoid risk of personal injury.

## GENERAL SAFETY INSTRUCTIONS

### USE THE RIGHT DIRECTION OF FEED

Feed work into a blade, cutter, or sanding spindle against the direction or rotation of the blade, cutter, or sanding spindle only.

### NEVER LEAVE A TOOL RUNNING UNATTENDED – TURN THE POWER OFF!

Never leave the tool unattended until it comes to a complete stop.

### PROTECT YOUR LUNGS

Always wear a face or dust mask to prevent inhaling dangerous dust or airborne particles including wood dust, crystalline silica dust and asbestos dust. Direct particles away from face and body. Always operate tool in well ventilated area and provide for proper dust removal. Use a dust collection system wherever possible. Exposure to the dust may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with dust. Allowing dust to get into your mouth or eyes, or lay on your skin may promote absorption of harmful material. Always use properly fitting approved respiratory protection appropriate for the dust exposure, and wash exposed areas with soap and water.

### PROTECT YOUR HEARING

Wear hearing protection during extended periods of operation.

### DO NOT ABUSE THE POWER CORD

Never carry a tool by the cord or yank it to disconnect it from the receptacle. Keep cord away from heat, oil, and sharp edges.

### USE OUTDOOR EXTENSION CORDS

When the tool is used outdoors, use only extension cords with approved ground connection that are intended for use outdoors and so marked.

### NEVER USE IN AN EXPLOSIVE ATMOSPHERE

Normal sparking of the motor could ignite fumes, gases and flammable liquids.

### INSPECT TOOL CORDS PERIODICALLY

If damaged, have repaired by a qualified service technician at an authorised service facility. Repair or replace a damaged or worn cord immediately. Stay constantly aware of cord location and keep it well away from the rotating blades and parts.

### INSPECT EXTENSION CORDS PERIODICALLY

Replace if damaged.

### KEEP TOOL DRY, CLEAN, AND FREE FROM OIL AND GREASE

Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any solvents to clean the tool.

### STAY ALERT AND EXERCISE CONTROL

Watch what you are doing and use common sense. *DO NOT* operate the tool when you are tired. *DO NOT* rush.

### DO NOT USE TOOL IF SWITCH DOES NOT TURN IT ON AND OFF

Have defective switches replaced by an authorised service centre.

### INSPECT FOR AND REMOVE ALL NAILS FROM LUMBER BEFORE USING THIS TOOL

Following this rule will reduce the risk of serious personal injury.

### NEVER START A TOOL WHEN ANY ROTATING COMPONENT IS IN CONTACT WITH THE WORKPIECE

### DO NOT OPERATE A TOOL WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR ANY MEDICATION!

### WHEN SERVICING

Use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

### DOUBLE CHECK ALL SETUPS

Make sure the tool assembly is tight and not making contact with the workpiece before connecting to power supply.

### SAVE THESE INSTRUCTIONS

Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan these instructions also.

## SPECIFIC SAFETY INSTRUCTIONS

**NEVER** touch the discharge tubing, motor, or compressor pump while in operation. The air compressor motor and/or engine will get hot while in operation. The compressor operates automatically while the batteries are connected and turned on, or the motor is running.

**ALWAYS** wear safety glasses or goggles when using compressed air. Compressed air from the unit may contain hazardous fumes. Air produced by this compressor is not suitable for breathing purposes. Always use a respirator when spraying paint or chemicals, or when sandblasting.

**NEVER** over pressurise the air receiver, this could cause personal injury or material damage. To protect from over pressurising, a factory pre-set safety valve is installed.

**NEVER** remove, make adjustments to or substitute the pre-set safety valve.

**NEVER** weld, drill or change the air receiver in any way.

**ALWAYS** turn off, remove batteries and drain the air receiver and air lines of air pressure, before doing any maintenance or making adjustments to your air compressor.

**DO NOT** over tighten foot bolts as excessive vibration may occur. Use only in a clean, dry, and well-ventilated area. The compressor has heat dissipation fins for proper cooling. Keep the fins and other parts that collect dust clean. Do not place rags or other materials on top of the compressor, as this obstructs cooling and can be a fire hazard. Proper care and maintenance ensures longevity.

**CHECK** to see that nuts and bolts are all snug. If the intake filters are dirty, they should be replaced or cleaned.

**RUN** the compressor for 15 minutes with the drain valve open before connecting any other devices to it. After it has run for 15 minutes continuously, the unit is ready to use.

## ASSEMBLY

### STEP 1 (Fig.1)

Ensure that the compressor is turned off by pushing the switch to the 'O' position. Then, insert the batteries into the compressor



### STEP 2 (Fig.2)

Locate the bleed valve on the front of the tank and ensure that the knob is in the 'shut' position. It will be at 90 degrees to the bleed valve when shut.



## ASSEMBLY

### STEP 3 (Fig.3)

Plug your hose in to the connector on the side of the control panel. You will hear the connector 'click' when it is properly secured.



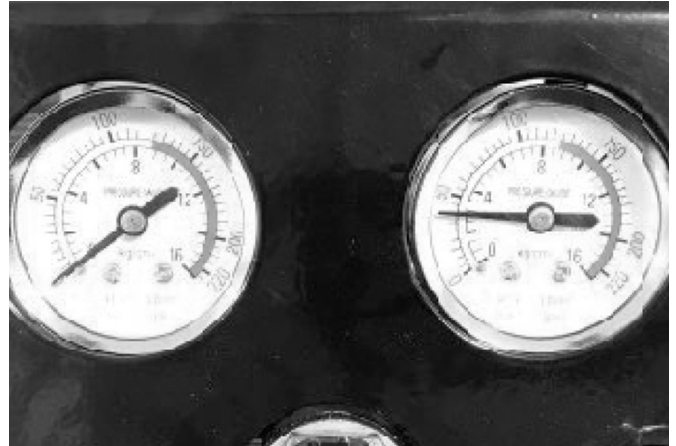
### STEP 4 (Fig.4)

Your compressor is now ready to use. Connect your pneumatic tool to the other end of the hose and turn the compressor on. Pushing the switch to the 'I' position will start the compressor.



### STEP 1 (Fig.5)

The control panel on the top of your compressor is where you control the air flow to your tool. The left-hand gauge shows the amount of pressure held in the tank. The right hand gauge shows the air pressure being supplied to your tool.



### STEP 2 (Fig.6)

To adjust the amount of air being supplied to your tool, use the adjustment knob in the centre. Loosening the knob (anti-clockwise) will provide less air to your tool. Tightening the knob (clockwise) will provide more air to your tool.

For example, if you need to operate at a pressure of 75 p.s.i you can loosen/tighten the knob until the needle reaches 75 on the right hand gauge.



## OPERATION

### STEP 3 (Fig.7)

When the tank reaches its cut-off capacity, the motor will stop. If you use your tool and the pressure drops, the motor will start again. The cut-off capacity is determined by the knob on the left hand side of the unit. This knob is set by the manufacturer. Please do not adjust the knob.



### STEP 4

You are now ready to use the compressor. Connect a pneumatic tool and switch the unit on.

Be sure to check the instruction manual or label for your tool to find the correct operating pressure, and adjust the knob on the control panel accordingly.

## MAINTENANCE

### DAILY OR BEFORE EACH USE

- Open the bleed valve to release the moisture from the tank.
- Our ordinary atmosphere contains moisture and this moisture will collect at the bottom of the tank.
- After each use of the compressor please open the valve to let the moisture out. The tank must have pressure inside to force the moisture out.
- Check for any unusual noise or vibration.
- Be sure all nuts and bolts are tight.

### WEEKLY

- Clean dust and foreign matter from the cylinder head, motor, fan blades, intercooler and air receiver.
- Clean the air filter by opening the air filter, removing the filter element and cleaning it thoroughly. Worn or dirty filters should be replaced.

### MONTHLY

- Inspect the unit for leaks.
- Tighten joints if leaks are observed.

## REPLACEMENT PARTS

- For replacement parts and technical questions, please call Customer Service at 1-866-915-8626.
- Not all product components are available for replacement. The illustrations provided are a convenient reference to the location and position of parts in the assembly sequence.
- When ordering parts, the following information will be required: item description, item model number, item serial number/item lot date code, and the replacement part reference number.
- The distributor reserves the rights to make design changes and improvements to product lines and manuals without notice.

## LIMITED WARRANTY

### Limited Warranty

Northern Tool and Equipment Company, Inc. ("We" or "Us") warrants to the original purchaser only ("You" or "Your") that the KLUTCH product purchased will be free from material defects in both materials and workmanship: normal wear and tear excepted, for a period of one year from date of purchase. The foregoing warranty is valid only if the installation and use of the product is strictly in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. If the product does not comply with this limited warranty, Your sole and exclusive remedy is that We will, at our sole option and within a commercially reasonable time, either replace the product or product component without charge to You or refund the purchase price (less shipping). This limited warranty is not transferable.

### Limitations on the Warranty

This limited warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.

### Obligations of Purchaser

You must retain Your product purchase receipt to verify date of purchase and that You are the original purchaser. To make a warranty claim, contact Us at 1-886-915-8628, identify the product by make and model number, and follow the claim instructions that will be provided. The product and the purchase receipt must be provided to us in order to process Your warranty claim. Any returned product that is replaced or refunded by us becomes our property. You will be responsible for return shipping costs or costs related to Your return visit to a retail store.

### Remedy Limits

Product replacement or a refund of the purchase price is Your sole remedy under this limited warranty or any other warranty related to the product. We shall not be liable for service or labor charges or damage to your property incurred in removing or replacing the product, any damages, including, without limitation, damages to tangible personal property or personal injury, related to Your improper use, installation or maintenance of the product or product component; or any indirect, incidental or consequential damages of any kind for any reason.

## LIMITED WARRANTY

### **Assumption of Risk**

You acknowledge and agree that any use of the product for any purpose other than the specified use (s) stated in the product instruction is at Your own risk.

### **Governing Law**

This limited warranty gives You specific legal rights, and You also may have other rights which vary from State to State. Some states do not allow limitations or exclusions on implied warranties or incidental or consequential damages. So, the above limitations may not apply to You. This limited warranty is governed by the laws of the State of Minnesota, without regard to rules pertaining to conflicts of law. The state courts located in Dakota County, Minnesota shall have exclusive jurisdiction.

# **KLUTCH<sup>®</sup>**

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