

KLUTCH

1.59 CFM Air inflator

Owner's Manual



! 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 #6108549

Thank you very much for choosing a **KLUTCH** product!

READ & SAVE THESE INSTRUCTIONS

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 product is designed for certain applications only. Northern Tool & 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 **1-800-222-5381**.

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Intended Use

The KLUTCH Portable Tire Inflator with digital tire pressure gauge can inflate your standard car tires in seconds. A simple press on car air inflator and it will do all work for you. A great solution for emergency on this way.

Packaging Contents

- Air inflator (1)
- 12VDC Power Cable (1)
- Inflation Needle (1)
- Presta Chuck (1)
- Manual (1)
- Battery clamp (1)
- Inflator Nozzle (1)
- Air Hose (1)
- Storage bag (1)
- All Brass Schrader Chuck (1)

Technical Specifications

Property	Specification
Working voltage	12V DC
Rated power	150W
Work current	15A
Air flow	45L/min
Pressure unit	PSI, BAR, KPA, KG/CM ²
Wire length	300CM
Air hose length	60mm
Working temperature	-15°C--50°C

Important Safety Information

⚠WARNING

- Read and understand all instructions. Failure to follow all instructions may result in serious injury or property damage.
- The warnings, cautions, and instructions in this manual cannot cover all possible conditions or situations that could occur. Exercise common sense and caution when using this tool. Always be aware of the environment and ensure that the tool is used in a safe and responsible manner.
- Do not allow persons to operate or assemble the product until they have read this manual and have developed a thorough understanding of how it works.
- Do not modify this product in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the product. There are specific applications for which the product was designed.
- Use the right tool for the job. DO NOT attempt to force small equipment to do the work of larger industrial equipment. There are certain applications for which this equipment was designed. It will be a safer experience and do the job better at the capacity for which it was intended. DO NOT use this equipment for a purpose for which it was not intended.

- Industrial or commercial applications must follow OSHA requirements.

⚠WARNING

- This product may contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

⚠WARNING

WORK AREA SAFETY

- Inspect the work area before each use. Keep work area clean, dry, free of clutter, and well-lit. Cluttered, wet, or dark work areas can result in injury. Using the product in confined work areas may put you dangerously close to cutting tools and rotating parts.
- Keep children and bystanders away from the work area while operating the tool. Do not allow children to handle the product.

⚠WARNING

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating the tool. Do not use the tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the tool may result in serious personal injury.
- Dress properly. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts. Air vents on the tool often cover moving parts and should be avoided.
- Wear the proper personal protective equipment when necessary. Use ANSI Z87.1 compliant safety goggles (not safety glasses) with side shields, or when needed, a face shield. Use a dust mask in dusty work conditions. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate. This applies to all persons in the work area.
- Do not overreach. Keep proper footing and balance at all times.

⚠CAUTION

PRODUCT USE AND CARE

- Do not force the product. Products are safer and do a better job when used in the manner for which they are designed. Plan your work, and use the correct product for the job.
- Check for damaged parts before each use. Carefully check that the product will operate properly and perform its intended function. Replace damaged or worn parts immediately. Never operate the product with a damaged part.
- Do not use a product with a malfunctioning switch. Any power tool that cannot be controlled with the power switch is dangerous and must be repaired by an authorized service representative before using.
- Disconnect the power/air supply from the product and place the switch in the locked or off position before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
- Store the product when it is not in use. Store it in a dry, secure place out of the reach of children. Inspect the tool for good working condition prior to storage and before re-use.
- Use only accessories that are recommended by the manufacturer for use with your product. Accessories that may be suitable for one product may create a risk of injury when used with another tool. Never use an accessory that has a lower operating speed or operating pressure than the tool itself.
- Do not leave the tool running unattended.

Specific Operation Warnings

⚠WARNING

- Read and understand owner's manual before use.
- Do not exceed the tire's rated pressure.
- Always wear gloves. Some exposed parts may become hot during use.
- Use extreme caution when connecting the unit to a power source, as batteries can vent explosive gasses.
- Do not use the unit for pumping, compressing, or transferring any gas or liquid other than air. The unit is not designed for the sourcing of breathable air.
- Compressed air and particulate matter can cause eye and soft tissue damage. Keep air stream away from skin and eyes.
- Clean with a damp cloth only. Do not use chemicals or soap.
- Do not modify or attempt to repair the product. There are no serviceable parts inside the unit; do not disassemble.
- The compressor was permanently lubricated during assembly. Do not add oil or any other lubricant.

- Burn hazard. The unit will become hot during use. Use caution when touching the unit.
- Do not operate continuously for more than 10 minutes. If the unit gets hot, switch it off and allow it to cool before continuing operation.
- Use a second tire pressure gauge to verify the tires are inflated to the proper pressure.

⚠WARNING

- **Forbidden disassembly battery**
The battery has a protection mechanism and a protection circuit inside to avoid danger. Improper removal will damage the protective function and will cause the battery to heat, smoke, deform or burning.
- **Forbidden battery short- circuit**
Do not connect the positive and negative terminals of the battery with metal, and do not store and move the battery with the metal sheet. If the battery is short-circuited, there will be a large current flowing through it, which will damage the battery, and cause the battery to heat, smoke, deform or burning.
- **Forbidden heat and incinerate battery**
Heat and incinerate battery will cause melting of battery insulation, loss of safety function or electrolyte combustion, overheat it will cause battery hot, smoke, deform or burning.
- **Avoid to use the battery near the heat source place**
Do not use the battery near the fire source, oven or the environment temperature over 80 degrees, it will cause battery internal short-circuit if overheat, and cause the battery hot, smoke, deform or burning.
- **Forbidden to make the battery wet**
It will cause loss of internal protection circuit and function of the product and abnormal chemical reaction, it may cause battery hot, smoke, deform or burning.
- **Avoid to charge the battery near fire source place or direct sunlight**
Please do not make the battery wet, no more throw it to the water, otherwise it will cause loss of internal protection circuit and function of the product and abnormal chemical reaction, it may cause battery hot, smoke, deform or burning.
- **It will be dangerous if use non-dedicated adaptor to charge the battery**
Charge the battery under abnormal conditions, it will cause loss of internal protection circuit and function of the product and abnormal chemical reaction, it may cause battery hot, smoke, deform or burning.
- **Forbidden to destroy battery**
Do not use metal to chisel into the battery, thump or beat the battery or use other methods to destroy the battery otherwise it will cause battery hot, smoke, deform or burning, and even dangerous.
- **Forbidden to weld directly on the battery body**
Overheat will cause melting of battery insulation, loss of safety function or electrolyte combustion, it will cause battery hot, smoke, deform or burning.
- **Forbidden to charge the battery directly to the electrical outlet or in the car**
The cigarette socket is charged at high voltage, and the high current will pass over the battery and damage it, or make the battery hot, smoke, deform or burning.
- **Do not use the battery for other device.**
Not proper using of the battery will destroy the battery's property, reduce the life, cause the battery hot, smoke, deform and burning.
- **Do not touch the leak battery**
Leakage of electrolyte will cause skin discomfort, in case of electrolyte into the eyes, rinse with water as soon as possible, do not rub eyes, and quickly sent to the hospital for treatment.

Assembly Instructions



Before Each Use

⚠WARNING

- Attention

Avoid using batteries in strong light exposure environments, to avoid hot, deform, burning, at least to avoid battery performance degradation and reduced life.

- Antistatic

There is a protection circuit in the battery to avoid various accidents, do not use the battery in places where static electricity is generated, because static electricity (more than 2200V) is easy to damage the protection board, resulting in abnormal battery work. hot, deform, smoke, or conflagration.

- Charge temperature range

The recommended charging temperature range is 0-40 degrees, charging environment beyond this range will lead to reduced battery performance and reduced life.4. Before using, please read carefully for the manual and read as often as you need.

Operating Instructions

General Operation.

1. Before using the air inflator, park the vehicle in a safe position and ensure that the vehicle is safely parked. When an air inflator is required, the car engine is first started to operate normally. (To obtain sufficient power to prevent car batteries from running out of power)
2. When using the air inflator, first plug the air pump power cord into the car cigarette lighter DC 12V (In case of insufficient power, please use the on-board battery to supply power directly).
3. Align the air nozzle on the air inflator's hose with the air nozzle of the tire to check for air leaks and ensure that the air nozzle is fully fastened without air leakage.
4. Turn the switch on the air inflator to the closed position and the air inflator is energized and starts normal operation. The air inflator works with high temperature and high pressure gas, and the body heat is normal. Do not touch the inflation hose with force after use. Be careful with hot hands! (Note: preset pressure type air pump, please set the pressure first, the electronic watch has a memory function, it will remember the current set pressure for the next use)
5. When inflate the tire, please pay attention to the pressure value change of the air pressure gauge on the air inflator. When the pressure reaches the required pressure, please turn the switch to the off state (the preset pressure section pressure will automatically stop when it reaches the set pressure). The air inflator nozzle is removed from the tire and the inflation is completed. (Ordinary car tire pressure is 2.3-2.5kg, 28-35psi)
6. The air inflator comes with a number of included nozzles for life buoys, balloons, inflatable toys, and other inflatable products. To inflate a car tire, simply connect the nozzle on the air hose to the tire nozzle.

Precautions.

1. When using the air inflator, please start the car engine to increase the power.
2. Only use 12VDC power supply and the power supply is 180W. It is forbidden to use AC power.
3. To ensure maximum life of the air inflator, it should be shut down and cooled for 15 minutes every 5-10 minutes of continuous operation.
4. When using the air inflator, please pay attention to the pressure change. This product is an electric appliance, do not let it operate alone without being taken care of.
5. When the air inflator is not working properly, please check if the car cigarette lighter is conducting well, and the fuse in the cigarette lighter plug on the power cord is blown. If the fuse is blown, replace the fuse of the same specification (15A) and continue to use.
6. Do not allow children or people with disabilities to use this product to avoid injury.
7. When using the air inflator, remember to keep away from the humid environment and severe sand environment to prevent water dust from entering the motor and causing damage to the motor.
8. Do not expose this product to extreme conditions (such as rain and long periods of exposure to sunlight).
9. Do not immerse the product in water, as this will cause damage to the internal circuit.
10. Do not use this product near vapors and stoves to avoid damage.
11. When the air inflator is over the end of its life, do not discard it. It must be placed at the designated collection point.

After Each Use

Store the product in a dry location and out of children's reach.

Troubleshooting

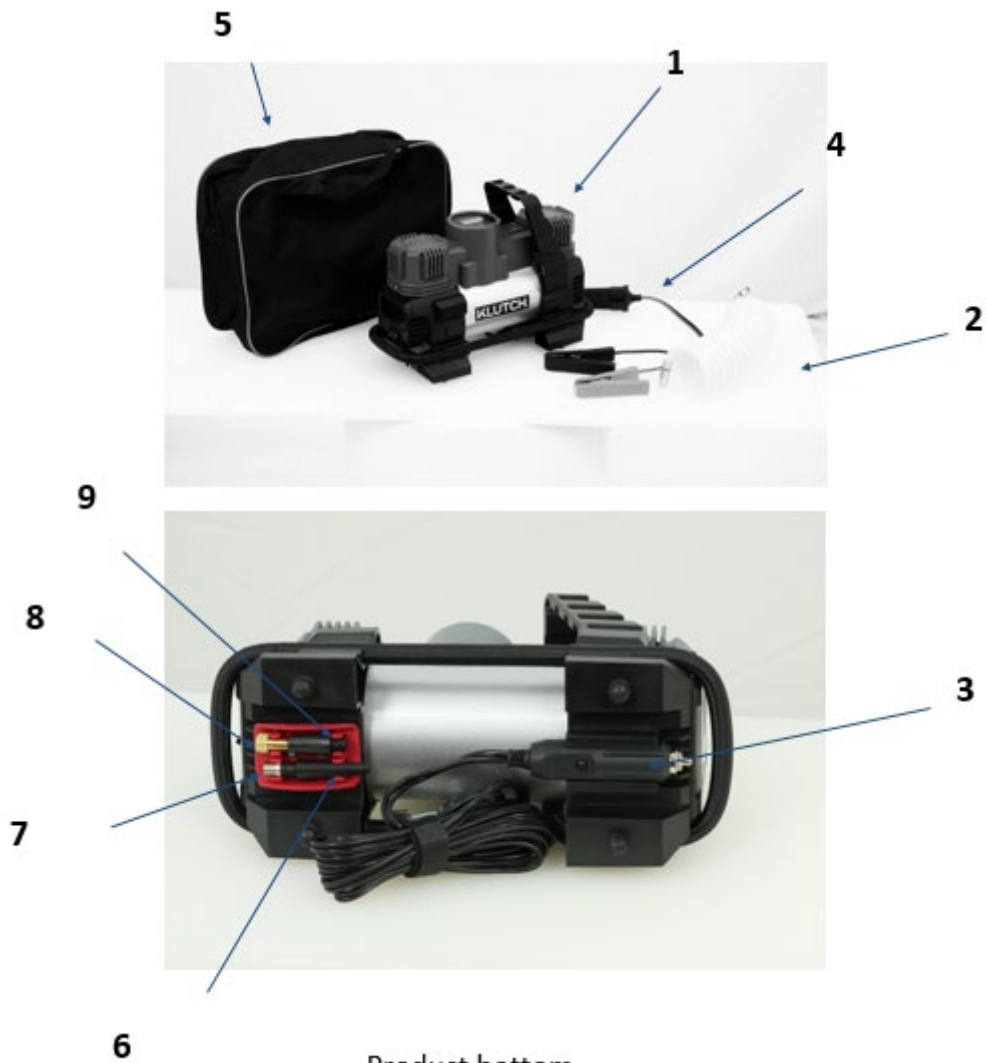
Use the table below to troubleshoot problems before contacting service personnel or your local dealer. If the problem continues after troubleshooting, call your local dealer for assistance

Failure	Corrective Action
Digital air inflator can't work properly	Check the setting pressure, the preset pressure value needs to be higher than the current display pressure of the product for the inflation function to work.
The power supply of the product is unstable and will be disconnected at any time	Check whether the plug of the air inflator's cigarette lighter is in bad contact with the socket of the car cigarette lighter. If it is not contact well, remove the impurities in the socket of the cigarette lighter. The metal sheet on both sides of the plug of the air pump should be gently pried open to the outside, so that it can contact with the socket more well.
The product still has no power after being powered on	unscrew the metal nut on the top of the power plug of the air inflator, take out the fuse in the plug to check whether If it is intact, replace a fuse, and screw the metal nut back to its original state.
For high temperature of the product, it is very hot.	When the air inflator works, it will compress the air and generate a lot of heat, which will be transmitted to the surface of the product. The temperature of the product will be high after a period of time, it is normal. When the temperature is too high, you can close the product and stop it for cooling, and then work after cooling for 10-15 minutes. After the product works continuously for 6-10 minutes, stop it and cool for 15 minutes better.
The Digital air inflator stops working immediately after the tire is connected, and the value displayed on the dial is very high.	The air pipe and tires are not connected, congestion within the air pipe, pressure raised make the pressure value has reached the preset value is detected to stop. then should check if tire air mouth with a cap and a limited device, to remove the limited device on the types mouth, and Press the air pump joint until the sound of air leakage is heard.
Air pressure is not accurate	Solution: When the air pump leaves the factory, the product is calibrated and adjusted to the standard air pressure, the tolerance is very small. When the pressure value has a certain gap with your other test props, the actual tolerance value is very small and does not affect the driving of the car. The test pressure of both props will have a certain tolerance with the standard pressure, and the tolerance is not more than 0.2bar, it will not affect the normal use. 1 bar = 14.5 psi = 101kpa.
The tire nozzle leaks when the air pump is used in the area where the temperature is below zero, and the solution	The inner valve core of the tire valve will be frozen, and the valve core will leak if it is frozen and cannot rebound. At this time, take down the valve of the inflation pump, and then heat the metal part of the tire valve to make the valve core rebound, and then re-inflate.

Parts Diagram

Part List

1. Air inflator
2. Air Hose
3. 12V DC Power Cable
4. Battery clamp
5. Storage bag
6. Inflator Nozzle
7. Inflation Needle
8. All Brass Schrader Chuck
9. Presta Chuck



Product bottom

Replacement Parts

- For replacement parts and technical questions, please call Customer Service at **1-800-222-5381**.
- 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

Northern Tool and Equipment Company, Inc. ("We" or "Us") warrants to the original purchaser only ("You" or "Your") that the **Ironton** 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 1-800-222-5381, 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.

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 instructions 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 for any disputes relating to this warranty.

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