

KLUTCH[®]

20 VOLT PORTABLE BATTERY TRANSFER PUMP

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 # 6076719

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: _____

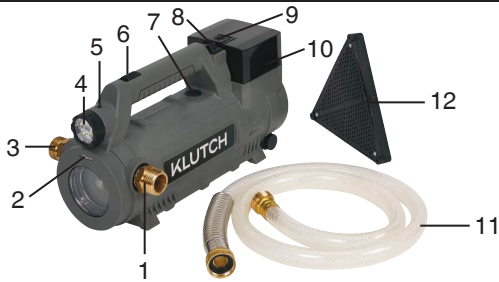
Save the receipt, warranty, and this manual. It is important that you read the entire manual to become familiar with this product before you begin using it.

This 20 Volt Portable Battery Transfer Pump 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**.

Product Introduction: Multi-Use Transfer Pump

The Multi-Use Transfer Pump has a unique portable design, and is small in size, large in fluid, with an LED light on its head as well. High performance lithium battery is used for power supply. With the innovative self-priming pump, there is no need to add water before pumping, so it's easy and quicker to connect. It's widely applied in various fields of water transfer.



1. Inlet	2. Direction of flow indicator	3. Outlet
4. LED lighting	5. Overheat protector	6. LED ON/OFF button
7. Current overload protector	8. Power On/Off Button	9. Battery compartment button
10. Battery compartment	11. Air Hose	12. Air Filter

Product Specifications :

Motor	20V DC 180W 3300RMP
Max Flow Rate	430GPH
Max Lift	6'
Max Head Height	60'
LED	led:I/100lm,II/200lm
Fittings	1/2" NPT male to 3/4" NH
Max Water Temperature	140°F (60°C)
Max Air Temperature	104°F (40°C)

Safety Precautions

WARNING Read all safety warnings, instructions, illustrations and specifications provided with the pump. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. **Save all warnings and instructions for future reference.**

- **Do not place pump under water or in wet areas. Place pump in dry locations only.**
- **Risk of Electric Shock. Do NOT connect conduit to pump.**
- **Use with clear water only.** It is not designated to handle salt water, brine, laundry discharge, or any other application which may contain caustic chemicals and/or foreign material. Pump damage or failure could occur if used in these applications and will void the warranty.
- **Do not pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Do not use in a flammable and/or explosive atmosphere.** Personal injury and/or death could result.
- **Do not pump water with a temperature over 140°F (60°C).** Do not pump sand, particulate, or large debris. Damage to the pump will occur.
- **Do not allow pump to run dry for more than 10 seconds. Turn off pump quickly when job is complete.** Damage to the pump may occur.
- **Do not allow this pump to operate unattended.** Failure to follow this warning could result in personal injury and/or death.
- **Do not pump water from a creek, pond, or source where foreign objects may be sucked into the pump.** Solids may enter the inlet hose and damage could occur.
- **Always remove battery pack before attempting to install or service the pump. Never handle pump with wet hands or when standing on a wet or damp surface or in water.** Fatal electrical shock could occur.
- **Secure the discharge hose before starting the pump.** An unsecured discharge hose may whip. Personal injury and/or death could result.
- **Do not use the pump if the switch does not turn it on and off.** Any pump that cannot be controlled with the switch is dangerous and must be repaired.
- **Always remove battery pack or get rid of the battery wire from the pump before making any adjustments, changing accessories, or storing appliance.** Such preventive safety measures reduce the risk of starting the appliance accidentally.
- **Maintain pump and accessories. Check for mis- alignment or binding of moving parts, breakage of parts and any other condition that may affect the pump's operation. If damaged, have the pump repaired before use.** Accidents can be caused by a poorly maintained pump.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate pump in explosive atmospheres.** such as in the presence of flammable liquids, gases or dust. Motors create sparks which will ignite the dust or fumes.
- **Keep bystanders, children, and visitors away while operating pump.** Distractions will result in mistakes.

Personal Injury Hazard

- **Stay alert, watch what you are doing and use common sense when operating this pump. Do not attempt to operate this pump while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention may result in serious personal injury.
 - **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair could be caught in moving parts.
 - **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control in unexpected situations.
 - **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes and hard hat must be used for appropriate conditions.
 - **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.
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WARNING

- **Use with clear water only. It is not designated to handle salt water, brine, laundry discharge, or any other application which may contain caustic chemicals and/or foreign material. Do not pump gasoline, fuel oil, kerosene, etc.**
- **Do not operate pump in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.**
- **Do not place pump under water or in wet areas. Place pump in dry locations only.**
- **Use the pump intermittently only.** Do not use the pump over excessive lengths of time, as premature wearing will result.
- Always wear goggles or rimmed glasses.
- **Always disconnect the battery before installing.**
- In cold weather, the residual water in the pump may freeze. Damage to the pump could occur.

WARNING

Operation Steps

WARNING To reduce the risk of injury, always wear safety goggles or glasses with side shields.

Always remove battery before attempting to install, service, or maintain the pump.

Pump should only be used to pump clear water. Do NOT pump salt water, brine, laundry discharge, or any other application which may contain caustic chemicals and/or foreign material. Do NOT pump sand particulate, or large debris. Do NOT pump fluids such as gasoline, fuel oil, or kerosene. Do NOT use in a flammable or explosive atmosphere.

This pump is designed for applications such as emptying water heaters, tanks, etc. The pump is not waterproof or weatherproof and is not intended to be used outdoors or inside showers, saunas or other potentially wet locations.

- Attach inlet and outlet hoses.
- Place inlet hose below water surface, aiming as near as possible to the middle of the water source.
- Lay out inlet and outlet hoses to ensure there are no blockages, kinks or bends.
- Secure outlet hose to ensure it does not whip around or move unexpectedly when pumping begins.
- Place pump flat on its feet for maximum stability.
- Insert battery pack.
- Turn on pump.
- Keep pump inlet clean and free of all foreign objects. Inspect inlet at beginning of each use.
- As soon as the pump begins to take in air, turn off pump.
- Do NOT allow pump to run dry. Damage to the pump could occur. To prevent pump damage, a dry pump may shut off automatically after 60 seconds. Turn pump off to reset.
- For best results, the pump should be no more than 6 feet above the inlet source. The maximum discharge height is 60 feet.
- NOTE: If anything but clear water is accidentally pumped, flush with clear water for at least 30 seconds.
- Do not block air vents. If overload occurs, due to overheating, a jammed impeller, etc, turn off the pump immediately. Pump may shut off automatically. Clear the jam and allow the tool to cool before restarting. Turn pump off and back on to reset.
- Do not run the pump for more than 1 hour continuously.
- When done, remove inlet and outlet hoses and pour any excess water from the pump. To remove remaining water from pump, run pump for no more than 5 seconds. In cold situations, freezing temperatures can cause remaining water in the pump to freeze and damage the pump.

Troubleshooting

- **Disconnect the battery pack from pump. Release all pressure within the system before servicing any component.**
- **Drain all liquids from system before servicing.**
- **Periodically inspect pump and system components, checking for weak and/or worn hoses. Check impeller for wear or blockage.** Ensure all connections are secure.
- **When servicing a pump, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electrical shock or injury and may void the warranty.
- **Do not modify or attempt to repair the pump or the battery pack except as indicated in the instructions for use and care.**
- **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

Problem	Cause	Correction
Pump will not run	Impeller blockage.	See "Impeller Replacement/Clearing"
Flow rate is too low	<ol style="list-style-type: none"> 1. Inlet/Outlet line is clogged or damaged. 2. Inlet connection is not airtight. 3. Impeller cover is not secured tightly. 4. Impeller worn out. 5. The voltage of the battery or external power supply is too low. 	<ol style="list-style-type: none"> 1. Replace Inlet/Outlet line. Check lines for blockages, kinks or bends. Clear blockages. 2. Tighten inlet connection, adding teflon tape or a gasket if necessary. 3. Hand tighten four(4) cover screws. 4. See "Impeller Replacement/Clearing". 5. Charge the battery or change the external power supply.
Overload/Overheat shutdown	<ol style="list-style-type: none"> 1. Dry pump is shutdown. 2. Inlet line is too low or too long. 3. Outlet line is blocked. 4. Outlet line is too high or too long. 5. Pump is running overtime. 6. Fluid is too hot. 	<ol style="list-style-type: none"> 1. Reset the heat protector. 2. Adjust the inlet line and reset the heat protector. 3. Clear the blockage and reset the current protector. 4. Adjust the outlet line and reset the current protector. 5. Turn off the pump, get some rest, reset the current protector. 6. Lower fluid temperature and reset heat protector.

Maintenance

WARNING: To reduce the risk of injury, always remove battery pack before attempting to install, service, or maintain the pump. Never disassemble the pump, battery pack or charger.

Maintaining Tool

Keep your tool, battery pack and charger in good repair by adopting a regular maintenance program. Inspect your tool for issues such as undue noise, misalignment or binding of moving parts, breakage of parts, or any other condition that may affect the tool's operation. Please contact the local seller for repair or replacement.

If the tool does not start or operate at full power with a fully charged battery pack, clean the contacts on the battery pack. If the tool still does not work properly, Please contact the local seller for repair or replacement.

Impeller Replacement/Clearing

Check the impeller for wear before each use. Clear or replace impeller if blocked or damaged.

- 1.Remove the four cover screws holding motor housing and pump housing together. Cover is now free and can be removed.
- 2.Inspect gasket and impeller for wear and damage. If there is any evidence of wear or damage, replace the parts.
- 3.Clear any debris from the gasket and impeller.
- 4.Reassemble gasket, cover, and cover screws.
- 5.Hand tighten cover screws. Do not use power tools or over tighten.
- 6.After extended use or when replacing the impeller, apply a small amount of silicone grease to the impeller blades for best performance.

Storage

Never store with liquid inside the pump.

To store the tool:

- 1.Remove inlet and outlet hoses.
- 2.Pour excess water from pump.
- 3.Run pump for no more than 5 seconds.
- 4.Remove battery pack.

Maintenance

NOTICE: To reduce the risk of personal injury and damage, never immerse your tool, battery pack or charger in liquid or allow a liquid to flow inside them.

Cleaning

Clean dust and debris from vents. Keep handles clean, dry and free of oil or grease. Use only mild soap and a damp cloth to clean, since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia, acetone, and household detergents containing ammonia. Never use flammable or combustible solvents around tools.

Battery Tool Use and Care

- **Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.**
- **Use pumps only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.**
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.**
- **Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.**
- **Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 265°F (130°C) may cause an explosion.**
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.**

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 1-866-915-8626, 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

LIMITED WARRANTY

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 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.

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Distributed by:

Northern Tool & Equipment Company, Inc.

Burnsville, Minnesota 55306

www.northerntool.com

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