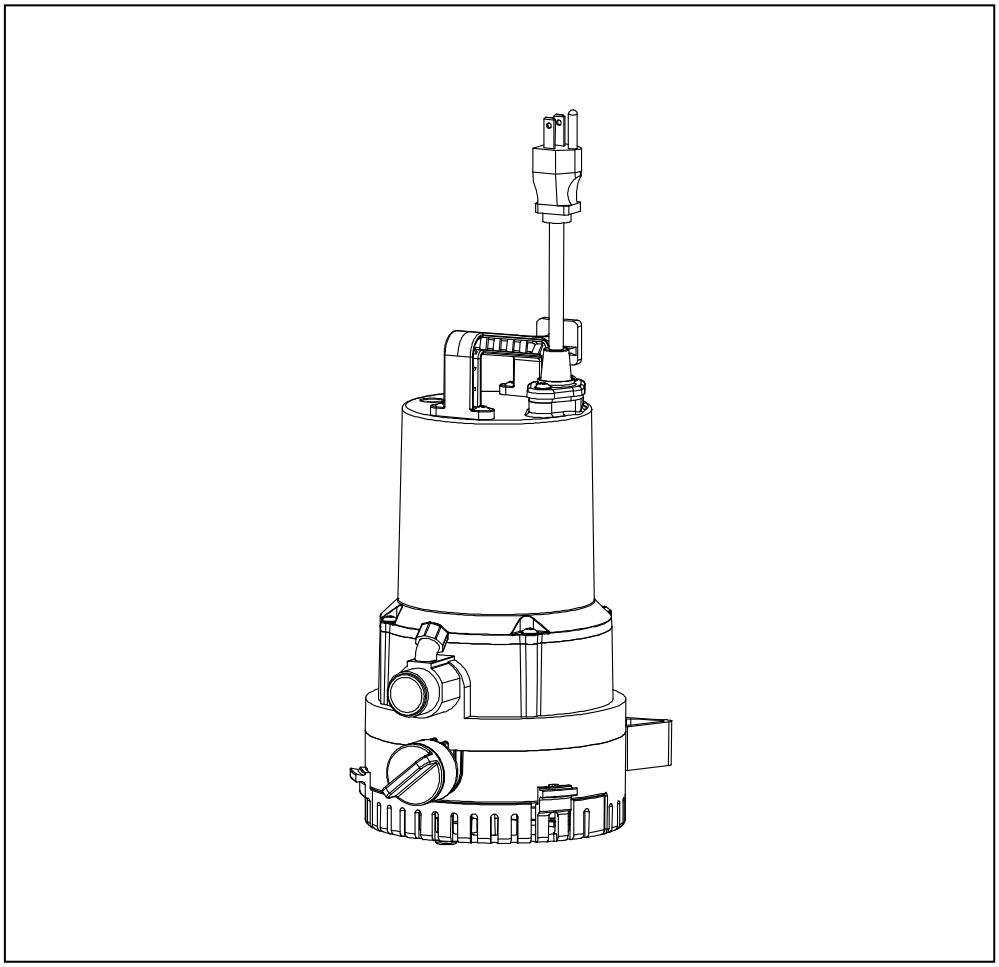
Model: UTM02501K

OWNER'S MANUAL

DUO 2-IN-1 UTILITY PUMP



Questions, problems, missing parts? Before returning to the store call

K2 Customer Service 8 a.m. - 6 p.m., EST, Monday-Friday

1-844-242-2475

www.K2pumps.com

PERFORMANCE

Model		HP	Discharge Flow (GPH)						Max. Lift
			0 ft.	5 ft.	10 ft.	15 ft.	20 ft.	25 ft.	
UTM02501K	Submersible Utility Pump Function	1/4	1,600	1,500	1,300	950	700	210	30 ft.
	Non-Submersible Transfer Pump Function	1/4	950	840	730	600	400	170	30 ft.

SAFETY INSTRUCTIONS

1. Do not pump flammable or explosive liquids such as oil, gasoline, kerosene, ethanol, etc. Do not use in the presence of flammable or explosive vapors. Using this pump with or near flammable liquids can cause an explosion or fire, resulting in property damage, serious personal injury, and/or death.
2. ALWAYS disconnect the power to the pump before servicing.
3. Do not touch the motor housing during operation. The motor is designed to operate at high temperatures. Do not disassemble the motor housing.
4. Do not handle the pump or pump motor with wet hands or when standing on a wet or damp surface, or in water before disconnect the power.
5. Release all pressure and drain all water from the system before servicing any component.
6. Secure the discharge line before starting the pump. An unsecured discharge line will whip, possibly causing personal injury, and/or property damage.
7. Extension cords may not deliver sufficient voltage to the pump motor. Extension cords present a life threatening safety hazard if the insulation becomes damaged or the connection ends fall into water. The use of an extension cord to power this pump is not permitted.
8. Wear safety goggles at all times when working with pumps.
9. This unit is designed only for use on 115 volts (single phase), 60 Hz, and is equipped with an approved 3-conductor cord and 3-prong grounded plug. Do not remove the ground pin under any circumstances. The 3-prong plug must be directly inserted into a properly installed and grounded 3-prong, grounding-type receptacle. Do not use this pump with a 2-prong wall outlet. Replace the 2-prong outlet with a properly grounded 3-prong receptacle (a GFCI outlet) installed in accordance with the National Electrical Code and local codes and ordinances. All wiring should be performed by a qualified electrician.
10. Protect the electrical cord from sharp objects, hot surfaces, oil, and chemicals. Avoid kinking the cord. Do not use damaged or worn cords.
11. Failure to comply with the instruction and designed operation of this unit may void the warranty. ATTEMPTING TO USE A DAMAGED PUMP can result in property damage, serious personal injury, and/or death.
12. Ensure that the electrical circuit to the pump is protected by a 10 Amp fuse or circuit breaker.
13. Do not lift the pump by the power cord.
14. Know the pump and its applications, limitations, and potential hazards.
15. Secure the pump to a solid base. This will aid in keeping the pump in a vertical orientation. This is critical in keeping the pump operating at maximum efficiency. It will also help prevent the pump from clogging resulting in premature failure.
16. Periodically inspect the pump and system components to ensure the pump suction screen is free of mud, sand, and debris. Disconnect the pump from the power supply before inspecting.

17. Follow all local electrical and safety codes, along with the National Electrical Code (NEC). In addition, all Occupational Safety and Health Administration (OSHA) guidelines must be followed.
18. The motor of this pump has a thermal protector that will trip if the motor becomes too hot. The protector will reset itself once the motor cools down and an acceptable temperature has been reached. The pump may start unexpectedly if it is plugged in.
19. Ensure the electrical power source is adequate for the requirements of the pump.
20. Before using the pump, check the hose for holes or excess wear, which could cause leaks, and ensure the hose is not kinked or making sharp angles. A straight hose allows the pump to move the greatest amount of water quickly, and also check that all hose connections are tight to minimize leaks.
21. This pump is made of high-strength, corrosion-resistant materials. It will provide trouble-free service for a long time when properly installed, maintained, and used. However, inadequate electrical power to the pump, dirt, or debris may cause the pump to fail. Please carefully read the manual and follow the instructions regarding common pump problems and remedies.

PRE-INSTALLATION

APPLICATION

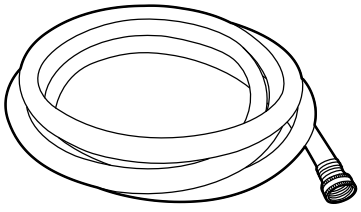
- This pump can be used as a submersible utility pump. It is suitable for draining or removing water from the following: hot tubs, stock tanks, flooded basements, water gardens, flat roofs, pool covers, window wells.
- This pump can be also used as a non-submersible transfer pump. It is suitable for draining or removing from the following: water heaters, boats, waterbeds, clogged sinks, aquariums, wash machines, utility sinks.
  WARNING: Risk of pump failure, property damage and bodily injury. Before using this pump to drain a hot water heater, be sure to read the manufacturer's instructions. The water temperature in the water heater must be cooled down to 95°F or lower before draining with this pump.
- This pump has not been tested or approved for use in swimming pools or in salt-water marine areas. This pump is not designed to function as a permanently installed sump pump. It is also not engineered to be run continuously as a "fountain" or "waterfall" pump.
- Do not use where water recirculates.
- Not designed for use as a swimming pool drainer.

Function:

Operating water depth: minimum 1 in.

MATERIALS REQUIRED (NOT INCLUDED)

***NOTE**: The hose is not shown to scale*.



Garden Hose

SPECIFICATIONS

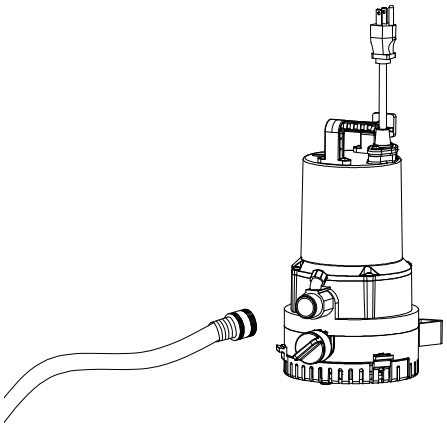
Power supply	115V, 60 HZ., 10 Amp Circuitminimum
Liquid Temp. Range	32 to 95°F (0- 35°C)
Discharge	3/4 in. garden hose thread
Power Cord	SJTW, 18AWG/3C, 10 ft.

SUBMERSIBLE UTILITY PUMP INSTALLATION

CAUTION: Always use the handle to lift the pump. Never use the power cord to lift the pump. To avoid skin burns, unplug the pump and allow time for it to cool after periods of extended use.

CAUTION: Always disconnect power source before attempting to install, service, or maintain the pump. Never handle a pump with wet hands or when standing on wet or damp surface or in water. Fatal electrical shock could occur.

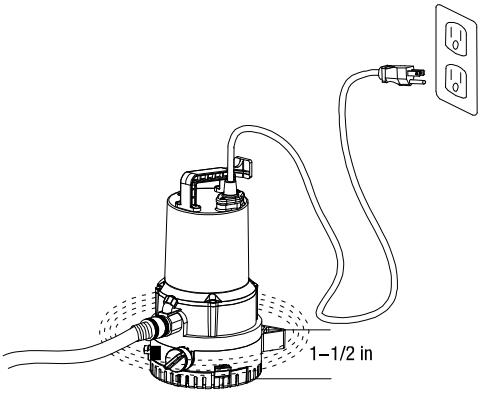
1. Connecting garden hose



- ☐ Attach a garden hose with a 3/4 in. garden hose thread (not included) to the pump outlet.

NOTE: Be sure a 3/4 in. garden hose thread connector has a rubber gasket to minimize water leaks.
NOTE: The larger the inside diameter and the shorter the length of hose, the less pressure that is lost (or the larger the flow rate).

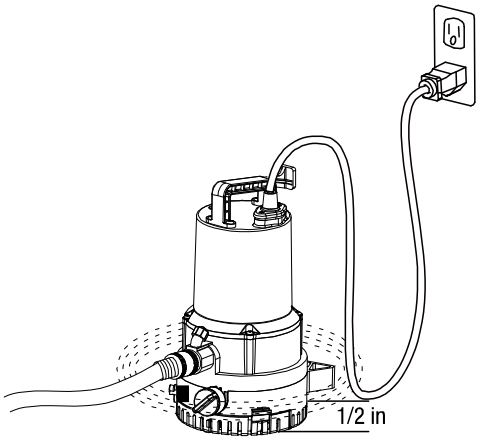
2. Plugging in the pump



- ☐ Place the pump on a solid base in flooded area or any place that you would like to remove water. Plug the pump into a 115 volt GFCI power outlet

WARNING: Do not allow the plug to fall in water and do not stand in water while the pump is plugged in.
NOTE: Place upright on a solid base.
NOTE: The pump must be standing in at least 1-1/2 in. (38.1 mm) of water before you start it. The shaft seal is water lubricated and may be damaged if the pump runs dry.

3. Operating the pump



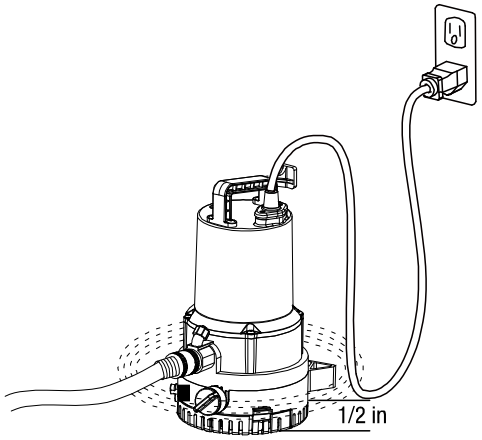
- ☐ Allow the pump to run and monitor its progress.
- ☐ Unplug the pump when it has removed water down to approximately 1/2 in. (12.7 mm).
- ☐ Remove the pump and hose from the location when finished pumping. The hose still has water that can drain back through the pump. Remove remaining water with a squeegee, mop, sponge, towel, wet/dry vac, etc.

CAUTION: Do not run the pump dry. Operating the pump without water will cause damage to the seals and will cause the pump to fail, thereby voiding the pump's warranty.

NOTE: After starting, the pump will lower the water level to 1/2 in. (12.7 mm) before losing suction. It will not pick up water less than 1/2 in. (12.7 mm) deep when running and will not operate successfully if started in only 1/2 in. (12.7 mm) of water.

AIRLOCK

This pump is a centrifugal utility pump, designed to efficiently remove water. However, it cannot move air. If air is trapped inside the pump (a condition called “airlock”), the pump cannot pump water out even though the pump is completely submerged. This pump has an anti-airlock hole. Air flows out through the anti-airlock hole, eliminating the airlock so that the pump can operate properly. If debris blocks the anti-airlock hole, unplug the pump, clean out the anti-airlock hole, and restart the pump. Alternately, drain the water out of the garden hose, keep the end of the hose out of the water, and plug in the power cord, restarting the pump.



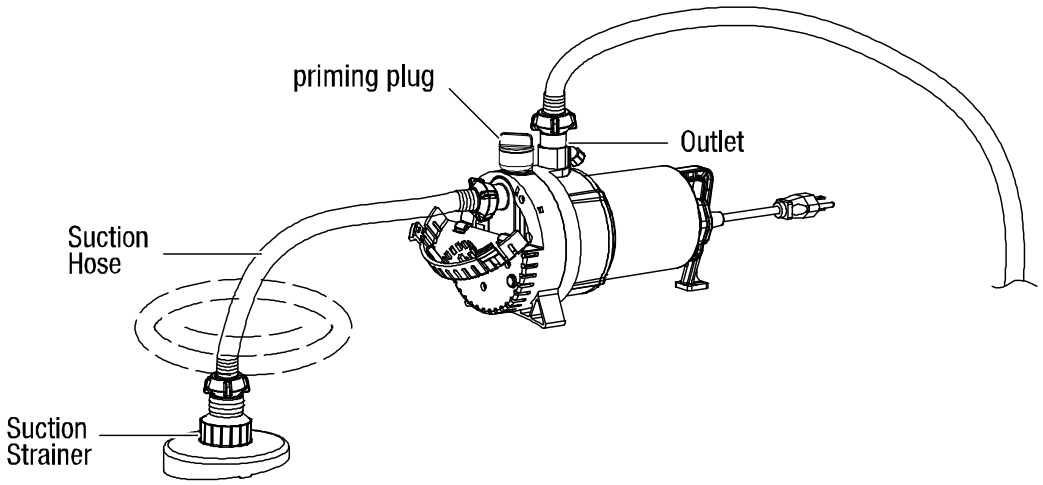
CAUTION: This hole is for anti-airlock purposes. Leakage of air or water is NORMAL. **DO NOT BLOCK THIS HOLE!**

NON-SUBMERSIBLE TRANSFER PUMP INSTALLATION

WARNING: Always disconnect power source before attempting to install, service, or maintain the pump. Never handle a pump with wet hands or when standing on wet or damp surface or in water. Fatal electrical shock could occur.

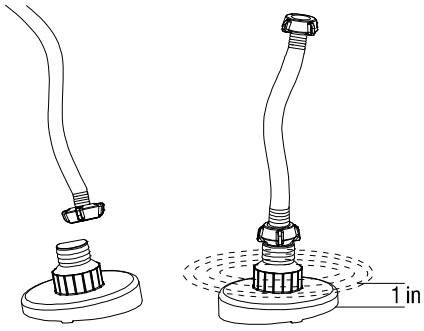
CAUTION: Always use the handle to lift the pump. Never use the power cord to lift the pump. To avoid skin burns, unplug the pump and allow time for it to cool after periods of extended use.

The following picture shows a typical installation. Threaded adaptors are furnished for attaching garden hose where conditions permit its use. The suction lift of this unit can get up to 8 feet. Be sure to use the suction hose and strainer with built-in check valve included in the package.



1. Attaching the suction hose to strainer

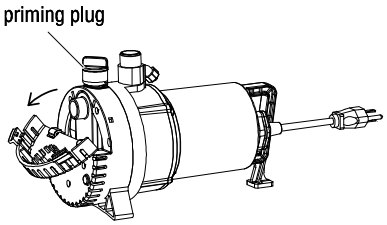
- Attach the clear suction hose to the suction strainer by pushing the male threaded end into the rubber coupler on the suction strainer.
- Then, place the strainer in at least 1 in. of water at the lowest point to be pumped.



NOTE*:* Make sure the connection is airtight. An air leak can cause the pump to run dry.

2. Attaching hoses

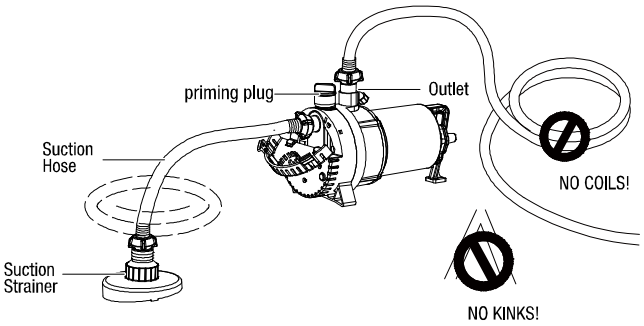
- Open the bottom cover.
- Thread the other end of the suction hose to the inlet of the pump.
- Thread a 5/8 in. garden hose (sold separately, 50 ft. max. length) onto the discharge outlet of the pump.



NOTE*:* Always ensure the washer in the hose bib is not damaged. An airtight seal is necessary for this pump to operate.

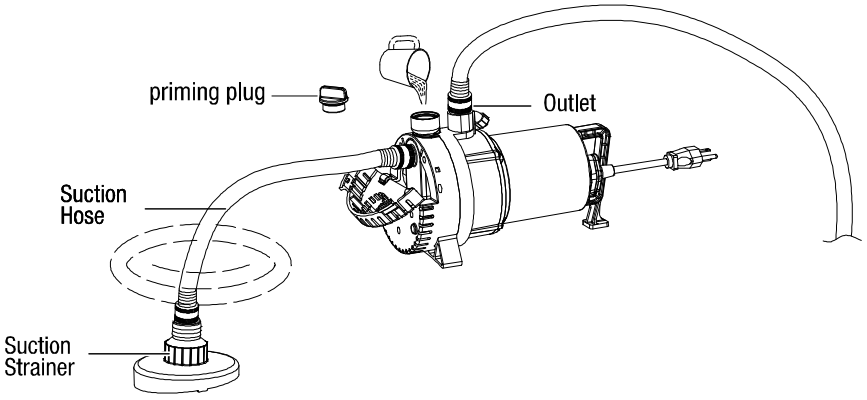
NOTE*:* Make sure the end of the outlet hose is not under water. If the outlet is under water, the pump may not work.

NOTE*:* Do not coil or kink the hose.



3. Priming water

- Unscrew the priming plug.
- Fill water through priming hole as shown below until it overflows.
- Tighten the priming plug.

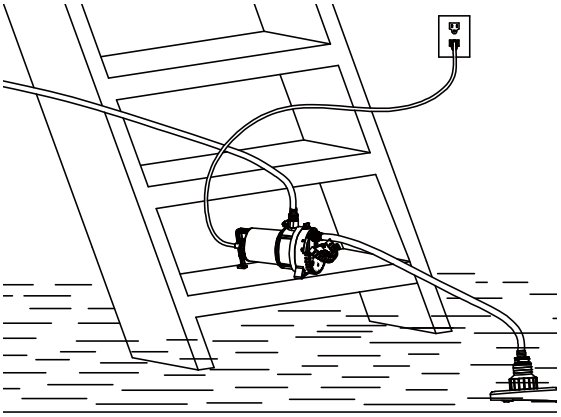


4. Operating

- ☐ To operate, plug the pump into a 115V GFCI outlet.
- ☐ When the water level has been reduced to approximately 1/16 in. you MUST UNPLUG THE PUMP. DO NOT RUN DRY.

NOTE: Make sure the suction hose and suction strainer are in the water before plugging in the pump.

NOTE: If water does not begin to pump in 30 seconds, unplug the power cord and check the connection on the two ends of the inlet hose to make sure there are no air leaks. Then, add water into the priming hole again and repeat the process.



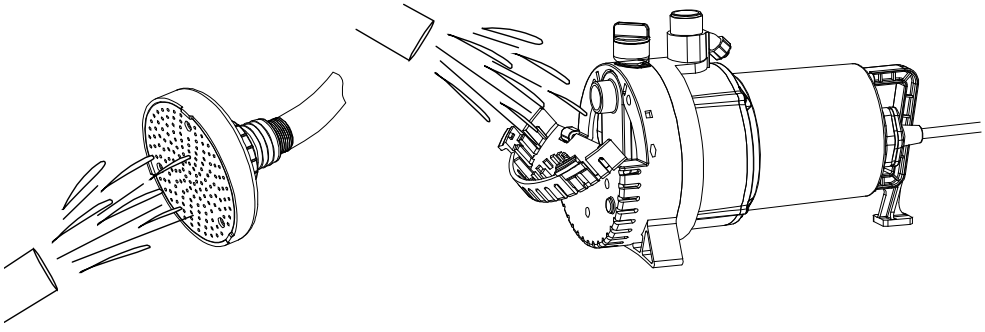
CARE AND CLEANING

CAUTION: Always use the handle to lift the pump. Never use the power cord to lift the pump. To avoid skin burns, unplug the pump and allow time for it to cool after periods of extended use.

Do	Do Not
☐ When the power is disconnected, inspect the pump suction screen and remove all debris, then plug the pump back into the grounded (GFCI) outlet.	☐ Do not disassemble the motor housing. This motor has NO repairable internal parts, and disassembly may cause leakage or dangerous electrical wiring issues. ☐ Do not lift up the pump by the power cord.

To clean a pump clogged with debris:

- ☐ Unplug the pump from electrical power.
- ☐ Remove debris from the screen.



TROUBLESHOOTING

Submersible Utility Pump Function

Problem	Possible Cause	Corrective Action
Pump does not start or run	1. The fuse is blown. 2. The breaker is tripped. 3. The plug is disconnected. 4. The plug is corroded. 5. The motor failed.	1. Replace the fuse. 2. Reset the breaker. 3. Secure the plug. 4. Clean the plug prongs. 5. Replace the pump.
Pump cannot pump water out	1. The screen is blocked. 2. The hose is kinked, bent sharply, or coiled. 3. There is airlock. 4. Pump inlet blocked by debris.	1. Clean the screen. 2. Straighten the hose. 3. Clean the anti-air lock hole. 4. Open the bottom cover to clean the debris.

Non-Submersible Transfer Pump Function

Problem	Possible Cause	Corrective Action
The pump does not start or run.	1. The fuse is blown. 2. The breaker is tripped. 3. The plug is disconnected. 4. The plug is corroded. 5. The motor failed.	1. Replace the fuse. 2. Reset the breaker. 3. Secure the plug. 4. Clean the plug prongs. 5. Replace the pump.
The pump does not prime.	1. The suction line is air leaked. 2. Debris on the strainer. 3. Did not fill water into pump. 4. Did not attach check-valve build-in suction strainer to inlet hose.	1. Repair suction line by tightening hose connection or replacing hose washer if necessary. 2. Remove debris from the strainer. 3. Fill water into pump through priming hole. 4. Use the special designed suction strainer factory furnished to hose end.
The flow rate is too low.	1. The hose is kinked or coiled. 2. The strainer or hose is blocked. 3. The discharge hose is too long.	1. Straighten the hose. 2. Clean the strainer or hose. 3. Shorten the hose (50 ft. max).

WARRANTY

Limited Warranty

WHAT THIS WARRANTY COVERS

When used and maintained in normal use and in accordance with the Owner's Manual, your K2 product is warranted against original defects in material and workmanship for at least one year (warranty varies depending on model; see box for specific warranty information) from the date of purchase (the "Warranty Period"). During the Warranty Period, K2 will repair or replace at no cost to you, to correct any such defect in products founds upon examination by K2 to be defective in materials or workmanship.

Your dated receipt of purchase is required to make a warranty claim.

WHAT THIS WARRANTY DOES NOT COVER

This Warranty does not cover:

Use of the product in a non-residential application, improper installation and/or maintenance of the product, damage due to misuse, acts of God, nature vandalism or other acts beyond control of K2, owner's acts or omissions, use outside the country in which the product was initially purchased and resale of the product by the original owner. This warranty does not cover pick up, delivery, transportation or house calls. However, if you mail your product to a K2 Sales and Service Center for warranty service, cost of shipping will be paid one way. This warranty does not apply to products purchased outside of the United States, including its territories and possessions, outside of U.S. Military Exchange and outside of Canada. This warranty does not cover products purchased from a party that is not an authorized retailer, dealer or distributor of K2 products.

OTHER IMPORTANT TERMS

This warranty is not transferable and may not be assigned. This Warranty shall be governed and construed under laws of the state of Michigan. The Warranty Period will not be extended by any replacement or repair performed under this Warranty. THIS WARRANTY IS THE EXCLUSIVE WARRANTY AND REMEDY PROVIDED BY K2. ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OR MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, ARE DISCLAIMED. IN NO EVENT WILL K2 BE LIABLE FOR ANY SPECIAL, INDRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND OR NATURE TO OWNER OR ANY PARTY CLAIMING THROUGH OWNER WHETHER BASED IN CONTRACT, NEGLIGENCE, TORT, OR STRICT PRODUCTS LIABLITY OR ARISING FROM ANY CAUSE WHATSOEVER. Some states do not allow for the exclusion of consequential damages, so the above exclusion may not apply to you. This warranty gives you specific rights. You may also have others that vary from state to state.

Thank you for choosing a K2 product!