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MK-101 TILE SAW OWNER'S MANUAL, PARTS LIST & OPERATING INSTRUCTIONS



Revision 104	04.2013
Manual Part# 153754	

Caution: Read all safety and operating instructions before using this equipment. This owner's manual **MUST** accompany the equipment at all times.



MK-101

SAFETY

Read and follow all safety, operating and maintenance instructions. Failure to read and follow these instructions could result in injury or death to you or others. Failure to read and follow these instructions could also result in damage and/or reduced equipment life. Safety warnings and guidelines do not by themselves eliminate danger. They are not substitutes for proper accident prevention procedures and good judgment.

SAFETY MESSAGES

A safety message alerts you to potential hazards that could hurt you or others. Each safety message is preceded by a safety alert symbol (▲) and one of three words: **DANGER**, **WARNING**, or **CAUTION**.

- ▲ **DANGER** You **WILL** be **KILLED** or **SERIOUSLY INJURED** if you **DO NOT** follow directions.
- ▲ **WARNING** You **CAN** be **KILLED** or **SERIOUSLY INJURED** if you **DO NOT** follow directions.
- ▲ **CAUTION** You **CAN** be **INJURED** if you **DO NOT** follow directions. It may also be used to alert against unsafe practices.

DAMAGE PREVENTION AND INFORMATION MESSAGES

A Damage Prevention Message is to inform the user of important information and/or instructions that could lead to equipment or other property damage if not followed. Information Messages convey information that pertains to the equipment being used. Each message will be preceded by the word **NOTE**, as in the example below.

NOTE: Equipment and/or property damage may result if these instructions are not followed.

GENERAL SAFETY PRECAUTIONS AND HAZARD SYMBOLS

In order to prevent injury, the following safety precautions and symbols should be followed at all times!

- ALWAYS** read this Owner's Manual before operating the machine. **DO NOT** operate or service this equipment before reading this entire manual. Read and understand all warnings, instructions and controls on the machine. Know how to stop the equipment quickly in case of emergency. It is the operators responsibility to use this machine under safe working conditions and conform with federal, state and local codes or regulations pertaining to safety, air, pollution, noise etc...
- ALWAYS** keep the Blade and Belt Guards in place. **DO NOT** operate this machine with any guard or safety device removed. A Guard, or any damaged part should be repaired or replaced immediately.
- ▲ **REMOVE ADJUSTING KEYS AND WRENCHES**
Form a habit of checking to see that keys and adjusting wrenches are removed from the power tool before it is turned on.
- ▲ **KEEP WORK AREA CLEAN**
Cluttered work areas and benches invite accidents.
- ▲ **DO NOT USE IN DANGEROUS PLACES**
DO NOT use power tools in damp or wet locations nor expose them to rain. Always keep the work area well lighted.

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SAFETY

- ▲ **KEEP CHILDREN AWAY**
All visitors and children should be kept a safe distance from work area.
- ▲ **MAKE THE WORKSHOP KID PROOF**
Make the workshops kid proof by using padlocks, master switches or by removing starter keys.
- ▲ **DO NOT FORCE THE TOOL**
A power tool will do a job better and safer operating at the rate for which it was designed.
- ▲ **USE THE RIGHT TOOL**
DO NOT force a tool or an attachment, to do a job that it was not designed to do.
- ▲ **USE THE PROPER EXTENSION CORD**
If using an extension cord make sure it is in good condition first. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage that will result in a loss of power and overheating. Page 9 shows the correct AWG size to use depending on cord length and name-plate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
- ▲ **USE PROPER APPAREL**
DO NOT wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry that may be caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
- PERSONAL PROTECTIVE EQUIPMENT**
ALWAYS wear approved respiratory, head, ear and eye protection when operating this machine.
- ▲ **SECURE WORK**
Clamps or a vise should be used to hold work whenever practical. Keeping your hands free to operate a power tool is safer.
- ▲ **DO NOT OVERREACH**
Keep proper footing and balance at all times by not overreaching.
- ▲ **MAINTAIN TOOLS WITH CARE**
Keep tools clean for the best and safest performance. Always follow maintenance instructions for lubricating, and when changing accessories.
- ▲ **DISCONNECT TOOLS**
Power tools should always be disconnected before servicing or when changing accessories, such as blades, bits, cutters, and the like.



ALWAYS place the power ON/OFF switch in the **OFF** position when the saw is not in use.

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SAFETY

- ▲ **USE RECOMMENDED ACCESSORIES**
Consult the owner's manual for recommended accessories. Using improper accessories may increase the risk of personal or by-stander injury. Unauthorized equipment modifications will void all warranties. Manufacturer does not assume responsibility for any accident due to equipment modifications.
- ▲ **ALWAYS** ensure that the machine is on level ground before using.
- ▲ **NEVER STAND ON THE TOOL**
Serious injury could occur if a power tool is tipped, or if a cutting tool is unintentionally contacted.
- ▲ **TRANSPORT**
When loading or unloading the machine, use caution. Remove the blade prior to hoisting, loading and transporting the machine.
- ▲ **CHECK FOR DAMAGED PARTS**
Before using a power tool, check for damaged part. A guard or any other part that is damaged should be carefully checked to determine if would operate properly and perform its intended function. Always check moving parts for proper alignment or binding. Check for broken parts and mountings and all other conditions that may affect the operation of the power tool. A guard, or any damaged part, should be properly repaired or replaced.
- ▲ **DIRECTION OF ROTATION**
A blade or cutter should always be installed so that rotation is in the direction of the arrow imprinted on the side of the blade or cutter. It should correspond with the rotational direction of the motor. Always feed work into a blade against the direction of rotation.
- ▲ **NEVER LEAVE A TOOL UNATTENDED**
TURN POWER OFF - Do not leave a tool until it comes to a complete stop. Always turn a power tool OFF when leaving the work area, or, when a cut is finished.
- ▲ **NEVER** disconnect any "emergency or safety devices". These devices are intended for operator safety. Disconnection of these devices can cause severe injury, bodily harm, or even death! Disconnection of any of these devices will void all warranties. Unauthorized equipment modifications will void all warranties. Manufacturer does not assume responsibility for any accident due to equipment modifications.
- ▲ **NEVER** operate this equipment when not feeling well due to fatigue, illness or taking medicine.
- ▲ Check the chemical properties of the material to be cut/grinded and follow all EPA/OSHA Regulations.

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WARNING

Diamond Blades improperly used are dangerous. Comply with American National Standards Institute Safety Code, B7.1 and, Occupational Safety and Health Act covering Speed, Safety Guards, Flanges, Mounting Procedures, General Operating Rules, Handling, Storage and General Machine Conditions

**ELECTRICAL SHOCK**

NEVER touch electrical wires or components while the engine is running. Exposed, frayed or worn electrical wiring and plugs can be sources of electrical shock which could cause severe injury or burns. Do not touch the plug with wet hands.

**ROTATING PARTS**

Keep hands, feet, hair, and clothing away from all moving parts to prevent injury. Never operate the motor with covers, shrouds, or guards removed.

**OVER SPEED**

NEVER tamper with the governor components or settings to increase the maximum speed. Severe personal injury and damage to the engine or equipment can result if operated at speeds above maximum.

**DO NOT EXPOSE TO RAIN**

DO NOT expose to rain or use in damp locations.

ELECTRICAL REQUIREMENTS AND GROUNDING INSTRUCTIONS

In order to prevent potential electrical shock and injury, the following electrical safety precautions and symbols should be followed at all times!

WARNING

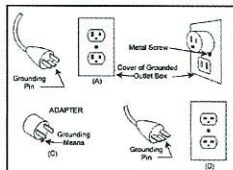
In case of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

- Do not modify the plug provided – if it will not fit the outlet; have the proper outlet installed by a qualified electrician
- Improper connections of the equipment-grounding conductor can result in a risk of electric shock. The equipment-grounding conductor is the insulated conductor that has an outer surface that is green, with or without yellow stripes. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal
- Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded
- Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug
- Repair or replace a damaged or worn cord immediately

WARNING

This tool is intended for use on a circuit that has an outlet that looks like the one shown in Sketch A. The tool has a grounding plug that looks like the plug illustrated in Sketch A. A temporary adapter, which looks like the adapter illustrated in sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in Sketch B, if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box.

NOTE: Use of a temporary adapter is not permitted in Canada.

**SILICA DUST WARNING**

Grinding/cutting/drilling of masonry, concrete, metal and other materials with silica in their composition may give off dust or mists containing crystalline silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer. When cutting such materials, always follow respiratory precautions.

Use appropriate NIOSH-approved respiratory protection where dust hazard may occur. Paper masks or surgical masks without a NIOSH approval number are not recommended because they do little to protect the worker. For more information about respirator programs, including what respirators have received NIOSH approval as safe and effective, please visit the NIOSH website at: <http://www.cdc.gov/niosh/topics/respirators>

Observe OSHA regulations for respirator use (29 C.F.R. §1910.134 and §1503.1). Visit <http://www.osha.gov> for more information.

CALIFORNIA PROPOSITION 65 MESSAGE

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contain chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead, from lead-based paints
- Crystalline silica from bricks, cement and other masonry products
- Arsenic and chromium, from chemically treated lumber

For further information, consult the following sources:
<http://www.osha.gov/dsg/topics/silicacrystalline/index.html>
<http://www.cdc.gov/niosh/docs/96-112/>
<http://oehha.ca.gov/prop65/law/P65law72003.html>
<http://www.dir.ca.gov/Title8/sub4.html>

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as the dust masks that are specially designed to filter out microscopic particles. Where use of a dust extraction device is possible, it should be used. To achieve a high level of dust collection, use an industrial vacuum cleaner.

WARNING

Sawing and drilling generate dust. Excessive airborne particles may cause irritation to eyes, skin and respiratory tract. To avoid breathing impairment, always employ dust controls and protection suitable to the material being sawed or drilled; See OSHA (29 CFR Part 1910.1200).

ELECTRIC MOTOR SAFETY

For maintenance care and operation of the electric motor, refer to your electric motor instruction booklet furnished with the electric motor. Protect the electric motor from dust as much as possible and keep ventilating openings clean. Before plugging in the machine, make sure that the outlet voltage is within the voltage marked on the machine's data plate.

CAUTION

DO NOT spray water on the electric motor. **DO NOT** touch the plug with wet hands. To reduce the risk of electrocution, keep all connections dry and off the ground.



DO NOT operate electric motor in an explosive environment.



DO NOT EXPOSE TO RAIN
DO NOT expose to rain or use in damp locations.

**WARNING**

If operating the equipment in damp locations is unavoidable, **ALWAYS** use a Ground Fault Circuit Interrupter (GFCI) **ALWAYS** wear rubber gloves and footwear in damp conditions.



DO NOT abuse the cord. Never use the cord to carry the equipment or to pull the plug from the outlet. Keep the cord away from heat, sharp edges, and moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

**WARNING**

To reduce the risk of electrocution, keep all connections dry and off the ground. A Ground Fault Circuit Interrupter (GFCI) should be provided on the circuit(s) or outlet(s) to be used for this machine. Receptacles are available having built-in GFCI protections and may be used for this measure of safety. When using an extension cord, GFCI should be installed closest to the power source, followed by the extension cord and lastly, the machine.

**WARNING**

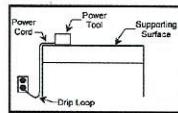
The water pump requires a GFCI. To reduce risk of electrical shock when operating the machine with the pump plugged into the 3-pole receptacle on the motor, connect the saw to a GFCI outlet. See the pump manual and informational tags enclosed separately for all pump information.

**WARNING**

To avoid the possibility of the appliance plug or receptacle getting wet, position the machine to one side of a wall mounted receptacle. This will prevent water from dripping onto the receptacle or plug. A "drip loop," shown in the picture below, should be arranged by the user to properly position the power cord relative to the power source.

WARNING

The "drip loop" is that part of the cord below the level of the receptacle, or the connector, if an extension cord is used. This method of positioning the cord prevents the travel of water along the power cord and coming in contact with the receptacle.



Drip Loop Information

If the plug or receptacle gets wet, **DO NOT** unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the tool. Then unplug and examine for presence of water in the receptacle.

WARNING

Use only extension cords that are intended for outdoor use. These extension cords are identified by a marking "Acceptable for use with outdoor appliances; store indoors while not in use." Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cords. Examine extension cords before using and replace if damaged. Do not abuse extension cords and do not yank on any cord to disconnect. Keep cords away from heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord.

WARNING

To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch the plug with wet hands.

WARNING

Use of under sized extension cords result in low voltage to the motor that can result in motor burnout and premature failure. MK Diamond warns that equipment returned to us showing signs of being run in a low voltage condition, through the use of undersized extension cords will be repaired or replaced totally at the customer's expense. There will be no warranty claim.

To choose the proper extension cord,

- Locate the length of extension cord needed in the table below.
- Once the proper length is found, move down the column to obtain the correct AWG size required for that length of extension cord.

Nameplate Amperes	EXTENSION CORD LENGTH							
	115V	25'	50'	75'	100'	150'	200'	300'
0 - 5	16	16	16	16	14	12	12	12
5.1 - 8	16	16	14	14	12	10	-	-
8.1 - 12	14	14	12	12	10	-	-	-
12.1 - 15	12	12	10	10	-	-	-	-
15.1 - 20	10	10	10	-	-	-	-	-

PRODUCT SPECIFICATIONS

The MK-101 is a versatile Tile Saw. Operated and used according to this manual, the MK-101 will provide years of dependable service.

General Specifications

The MK-101 Tile Saw is engineered as a tabletop or stand mounted wet tile saw. The saw includes a powerful 120V totally enclosed capacitor start Baldor motor with a thermal protective overload. The saw is capable of cutting tile up to twenty (20) inches in length, or diagonal cutting tile up to fourteen (14) inches. The saw can cut an object three (3) inches thick in one pass.

Motor Specifications

Motor specifications for the MK-101 are listed in table below.

Voltage	120V
Overall Amperage	13
Motor Only Amperage	14.5
Frequency	60 Hz
RPM	3400 rpm
Horse Power	1.5 hp
Weight	92 lbs

Thermal Overload Protection

The motor is protected by a thermal overload equipped with a manual reset.

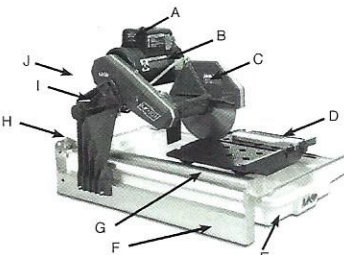
Blade Capacity

The MK-101 uses a ten (10) inch (254mm) diameter, wet cutting continuous rim, diamond blade with a five-eighths (5/8) inch (15.875 mm) arbor.

Tile Types

The MK-101 can cut a variety of tile types including Porcelain, Terracotta, Marble, Quarry and Slate, or almost any other non-ferrous material.

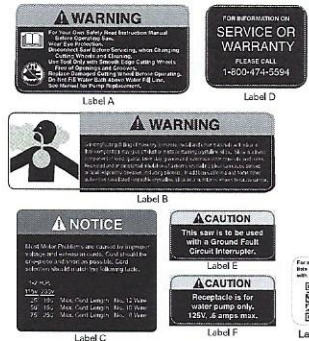
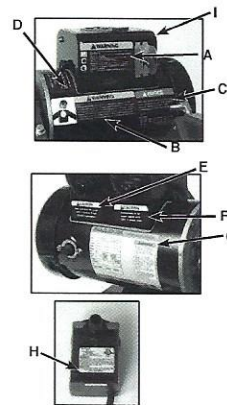
NOTE: The MK-101 is not designed to cut plastic or ferrous (metals) material.



A	Motor
B	Water Pump Tube
C	Blade Guard
D	Cutting Table
E	Water Basin
F	Frame
G	Guide Bar
H	Post
I	Depth of Cut Adjustment Knob
J	Belt Guard

SAFETY LABEL LOCATIONS

Safety labels contain important safety information. Please read the information contained on each safety label. These labels are considered a permanent part of your saw. If a label comes off or becomes hard to read, contact MK Diamond or your dealer for a replacement.



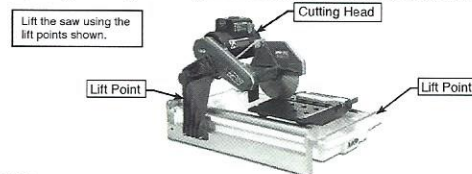
Tile Master Label Sheet Part#160012

Decal/Label	Location	Description
A	Motor-Side	Warning - Read and Follow Operating Instructions
B	Motor - Front	Warning - Silica Warning
C	Motor - Side	Notice - Receptacle is for Water Pump Only
D	Motor - Back	Service/ Warranty
E	Motor - Side	Caution - Use with GFCI only
F	Motor - Side	Caution - Receptacle for water pump
G	Motor - Side	Motor Specifications
H	Water Pump	Pump Specifications
I	Motor - Side	QR Code - Manual

TRANSPORT

- CAUTION** 1. The MK-101 weighs approximately ninety-two (92) pounds.
- 2. Never transport the MK-101 with water in the Water Basin.

The MK-101 is designed with a rigid frame and removable Cutting Head. Two people are required to transport the MK-101 with the Cutting Head installed. Remove the Cutting Head if one person is transporting the saw (see Cutting Head Installation and Removal in the following section).



STAND

The MK-101 weighs approximately ninety-two (92) pounds; follow the guidelines for transport in the TRANSPORT section, when placing it on the stand.

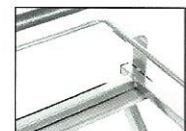
NOTE: If using the MK Diamond stand, follow the following steps.



(A) Open the Stand and place on flat surface



(B) Remove Water Basin and place saw on stand



(C) Ensure saw frame is positioned correctly



(D) Reinstall the Water Basin

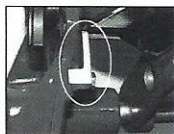
Follow the assembly instructions to prepare your MK-101 for operation.

NOTE: If the cutting head is installed, go to the next step.

CUTTING HEAD INSTALLATION



(A) Align Cutting Head rear Pivot Hole to the Post Pivot Shaft and slide onto shaft



(B) Ensure Cutting Head Stop is in upward position



(C) Install the Cutting Head onto the Post Pivot Shaft and install the Adjusting Knob



(D) For maximum cutting length, the Cutting Head should be in the front pivot hole and the Post should be in the rear post retaining hole.

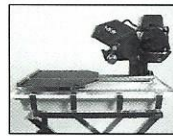
NOTE: For small tiles (6" tile or smaller) the Cutting Head should be in the rear pivot hole and the Post should be in the forward post retaining hole. For large tiles and maximum cutting length, the Cutting Head should be in the front pivot hole and the Post should be in the rear post retaining hole.

NOTE: Move Cutting Head Stop in upward position when using rear pivot hole and in the down position when using front pivot hole, refer to page 24.

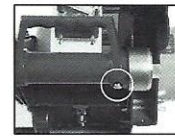
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DIAMOND BLADE INSTALLATION

NOTE: When installing the Retaining Nut, do not "cross-thread" and DO NOT over tighten.



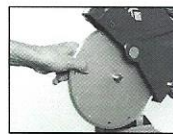
(A) Position Movable Cutting Table to the front of the saw and raise the Blade Guard. Tighten wing-nut



(B) Locate the Shaft Lock push button on the underside of the Cutting Head



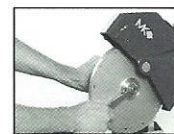
(C) Depress and hold the Shaft Lock pushbutton and remove Retaining Nut and Outer Flange using the Blade Wrench



(D) Raise Cutting Head and Install Diamond Blade onto Blade Shaft



(E) Verify the Blade is seated on the Blade Shaft and direction of rotation is correct



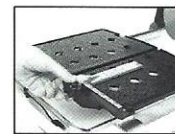
(F) Install Retaining Nut and Outer Flange, depress and hold the Shaft Lock pushbutton and tighten

ADJUSTABLE CUTTING GUIDE INSTALLATION

NOTE: The Adjustable Cutting Guide can be used on either side of the Diamond Blade.



(A) Loosen Adjustable Cutting Guide retaining thumbscrew and place it over the Movable Cutting Table Ruler/Stop



(B) Place the Adjustable Cutting Table Ruler/Stop over the Movable Cutting Table and tighten the retaining thumbscrew

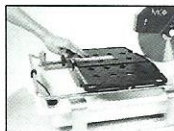
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PRE-START INSPECTION

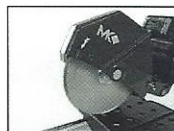
Prior to beginning work, a pre-start inspection of the saw should be performed.



(A) Ensure the ON/OFF Switch is in the OFF position



(B) Verify the Movable Cutting Table moves freely



(C) Inspect the Diamond Blade for damage – verify the blade is correct for the material being cut



(D) Inspect the Pump Assembly for damage – ensure the cord is free of cracks or cuts



(E) Inspect the MK-101 for damage

CONNECTING THE WATER PUMP

- WARNING**
- To prevent the possibility of electrical shock, the MK-101 MUST be de-energized when connecting the Water Pump.
 - To prevent the possibility of electrical shock, use only MK Diamond qualified replacement parts

NOTE: To prevent pump damage, the Water Pump must be disconnected if cutting with a Dry Blade.



(A) Connect the Cooling Transfer Tube to the inlet connection of the Blade Guard



(B) Connect the Water Pump power cord to the connection found on the back of the motor

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WATER PUMP SETUP FOR OPERATION

The Water Pump can be setup for operation in two ways, External Water Source or Re-circulation.

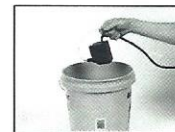
NOTE: If using a dry blade for operation, DO NOT connect the water pump.

EXTERNAL WATER SOURCE

This is the preferred method of cooling.



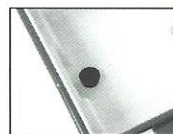
(A) Remove the Drain Plug. Place empty container under hole for water drainage



(B) Place the Water Pump in an external container and fill until water completely covers the Water Pump suction

RE-CIRCULATION

NOTE: When using the re-circulation method, the water should be changed often for longer pump life.



(A) Ensure the Drain Plug is installed in the Water Basin



(B) Place the Water Pump in the back of the Water Basin

- CAUTION**
- Before powering or starting, check for damage that could prevent this equipment from proper operation or performing its intended function. Check for binding and alignment of moving parts. Check for damaged, broken, or missing parts.
 - Verify the On/Off switch is in the OFF position.
 - Before connecting the MK-101 to a power supply, be sure the voltage, cycle and phase of the job site power source meet the requirements.

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VOLTAGE	120V
CYCLE	60hz
PHASE	1-phase

4. If using an extension power cord, made sure, the length and wire gauge correspond to the requirements listed in the table on page 10. An extension power cord that is too small in wire gauge (diameter), or too long in length, will cause the motor to overheat and could cause premature failure.
5. Use an approved Ground Fault Circuit Interrupter (GFCI)
6. Do not cover the motor vents as this could lead to motor overheating.

NOTE: In order to avoid breaker tripping, a 20-amp circuit breaker should be used.

PORTABLE GENERATOR

If using a portable generator, ensure the generator meets the following minimum requirements:
 5 KW 120/240 volts 41.7/20.8 amps Single Phase

GROUND FAULT CIRCUIT INTERRUPTER (GFCI)

This saw is to be used with a Ground Fault Circuit Interrupter.



(A) Ensure the ON/OFF Switch is in the OFF position



(B) Plug MK-101 into the GFCI



(C) Plug the GFCI into the Power source *

SET CUTTING DEPTH

CAUTION When loosening the Cutting Head Adjusting Knob, the Cutting Head will pivot down unless held.



(A) Loosen Cutting Head Knob and move cutting head down



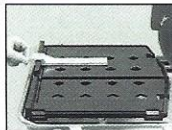
(B) Set cutting depth approximately 1/4 to 1/2 inch below the surface of the Movable Cutting Table



(C) Ensure the Adjusting Knob is tight

CUTTING STRAIGHT EDGES

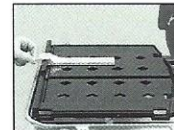
CAUTION DO NOT FORCE THE TOOL. It will do the job better and safer at the rate for which it was designed.



(A) Loosen the Adjustable Cutting Guide retaining thumbscrew



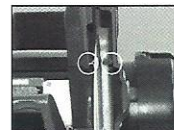
(B) Position the Adjustable Cutting Guide to desired cut length



(C) Tighten the retaining thumbscrew



(D) Place the tile against the Ruler/Stop and Cutting Guide. Turn the motor ON



(E) Verify proper cooling flow on both sides of the blade (See Maintenance Section to increase/decrease flow)

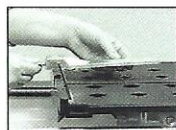


(F) Perform the cut. Turn the motor OFF when work is complete

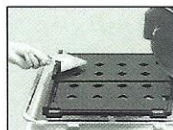
DIAGONAL CUTTING

NOTE: To cut diagonal, the Dual 45° Flat Angle Guide (MK Diamond Part No. 134557-MK) should be used.

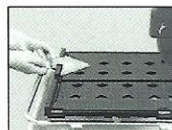
CAUTION DO NOT FORCE THE TOOL. It will do the job better and safer at the rate for which it was designed.



(A) Remove the Adjustable Cutting Guide



(B) Place the Dual 45° Flat Angle Guide on the Ruler/Stop

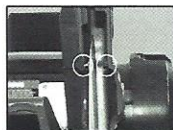


(C) Position the Dual 45° Flat Angle Guide and tighten the retaining thumbscrew

NOTE: If Cutting the tile in two equal halves, align the tile in the V-notch of the Movable Cutting Table Ruler/Stop.



(D) Position the tile against the Dual 45° Flat Angle Guide and the Ruler/Stop. Turn the motor ON



(E) Verify proper cooling flow on both sides of the blade (See Maintenance Section to increase/decrease flow)

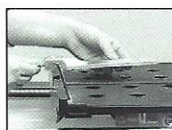


(F) Perform the cut. Turn the motor OFF when work is complete

45° MITER CUTTING

NOTE: To cut 45° Mitters, the 45° Bullnose Miter Guide (MK Diamond Part No. 134585-MK) should be used.

CAUTION DO NOT FORCE THE TOOL. It will do the job better and safer at the rate for which it was designed.



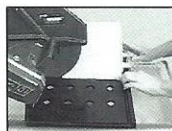
(A) Remove the Adjustable Cutting Guide



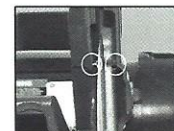
(B) Place the 45° Miter Guide on the Ruler/Stop



(C) Position the 45° Miter Guide and tighten the retaining thumbscrew



(D) Position the tile on the 45° Miter Guide and the Ruler/Stop. Turn the motor ON



(E) Verify proper cooling flow on both sides of the blade (See Maintenance Section to increase/decrease flow)



(F) Perform the cut. Turn the motor OFF when work is complete

OFF-ANGLE CUTTING

NOTE: To cut angles other than 45° angles or Miters, a 90° Protractor (MK Diamond Part No. 134569-MK) should be used.

CAUTION DO NOT FORCE THE TOOL. It will do the job better and safer at the rate for which it was designed.



(A)
Place the 90° Protractor on the Ruler/Stop



(B)
Set the desired angle and tighten the thumbscrew and tighten retaining thumbscrews



(C)
Position the tile against the 90° Protractor and the Ruler/Stop



(D)
Turn the motor ON. Verify proper cooling flow on both sides of the blade



(E)
Perform the cut. Turn the motor OFF when work is complete