



MK-2000 SERIES

TILE SAW OWNER'S MANUAL & OPERATING INSTRUCTIONS



CAUTION:

Read all safety and operating instructions before using this equipment

Enter the Serial Number of your new saw in the space below. The Serial Number is located on the left side of the blade guard.

SERIAL NUMBER:

NOTE:

For your (1) one year warranty to be effective, complete the warranty card (including the Serial Number and mail it in as soon as possible.

INTRODUCTION

We at MK Diamond want to congratulate you on selecting the MK-2000 Tile Saw. We are certain that you will be pleased with your purchase. MK Diamond takes pride in producing the finest products in the industry.

Operated correctly, your MK-2000 should provide you with years of quality service. In order to help you, we have included this manual. This owners manual contains information necessary to operate and maintain your MK-2000 safely and correctly. Please take a few minutes to familiarize yourself with the MK-2000 by reading and reviewing this manual.

If you should have questions concerning your MK-2000, please feel free to call our friendly customer service department at: 800 421-5830

Regards,

MK Diamond

TABLE OF CONTENTS

	Page
SAFETY:	4
Safety Messages	4
Damage Prevention Message	4
General Safety Precautions and Hazard Symbols	4
California Proposition 65 Message	6
Electrical Requirements and Grounding Instructions	7
Safety Label Locations	9
Tile Saw Specific Warnings	9
Product Specifications	10
 UNPACKING, TRANSPORT, UNIVERSAL STAND, and ASSEMBLY	
Unpacking	11
Contents	11
Transport	11
Universal Stand	12
Assembly	13
 SETUP, ADJUSTMENT AND OPERATION	
Setup	15
Adjustment and Operation	18
Cleanup	24
 MAINTENANCE AND TROUBLESHOOTING	
Maintenance	26
Troubleshooting	29
 EXPLODED VIEW AND PARTS LIST	
Exploded View	37
Parts List	38
 THEORY	
Theory of Diamond Saws	41
 ACCESSORIES	
Accessories	42
 ORDERING and RETURN INSTRUCTIONS	
Ordering Information	43
Return Material Policy	43
Packaging Instructions	43
Authorized Service Centers	43

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 MESSAGES:

Safety messages inform the user about potential hazards that could lead to injury, death and/or equipment damage. Each safety message will be preceded by one of the following (3) three words that identify the severity of the message.

⚠ DANGER

Not following instructions **WILL** lead to **DEATH** or **SERIOUS INJURY**

⚠ WARNING

Not following instructions **COULD** lead to **DEATH** or **SERIOUS INJURY**

⚠ CAUTION

Not following instructions **CAN** lead to injury

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!

Safety Precautions:

KEEP GUARDS IN PLACE.



In order to prevent injury, keep guards in place and in working order at all times.

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 ENVIRONMENTS.

Do not use power tools in damp or wet locations nor expose them to rain. Always keep the work area well lighted.

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.

SAFETY

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. TABLE 1, Page 7 shows the correct AWG size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

WEAR 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.

ALWAYS USE SAFETY GLASSES.



Safety glasses should always be worn when working around power tools. In addition, a face, dust mask or respirator should be worn if a cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses and may not prevent eye injury-they are NOT safety glasses.

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.

REDUCE THE RISK OF UNINTENTIONAL STARTING.



Make sure the ON/OFF switch is in the OFF position before plugging in a power tool.

USE RECOMMENDED ACCESSORIES.

Consult the owner's manual for recommended accessories. Using improper accessories may increase the risk of personal or by-stander injury.

NEVER STAND ON THE TOOL.

Serious injury could occur if a power tool is tipped, or if a cutting tool is unintentionally contacted.

CHECK FOR DAMAGED PARTS.

Before using a power tool, check for damaged parts. A guard or any other part that is damaged should be carefully checked to determine it 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 FEED.

Always feed work into a blade or cutter against the direction of rotation. A blade or cutter should always be installed such that rotation is in the direction of the arrow imprinted on the side of the blade or cutter.

NEVER LEAVE A TOOL RUNNING 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.

SAFETY

Hazard Symbols:

ELECTRICAL SHOCK!



Never touch electrical wires or components while the motor is running. Exposed, frayed or worn electrical motor wiring can be sources of electrical shock that could cause severe injury or burns.

ACCIDENTAL STARTS!



Before plugging the equipment into an electrical outlet, be sure the ON/OFF switch is in the OFF position to prevent accidental starting. Unplug the power tool before performing any service operation.

ROTATING OR MOVING PARTS!



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

⚠ WARNING

Sawing and drilling generates 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). 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.

CALIFORNIA PROPOSITION 65 MESSAGE:

⚠ WARNING

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 and cement and other masonry products and
- Arsenic and chromium, from chemically treated lumber

For further information, consult the following sources:

<http://www.osha-slc.gov/sltc/silicacrystalline/index.html>

http://www.oehha.org/prop65/out_of_date/6022kLstA.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 those dust masks that are specially designed to filter out microscopic particles.

SAFETY

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



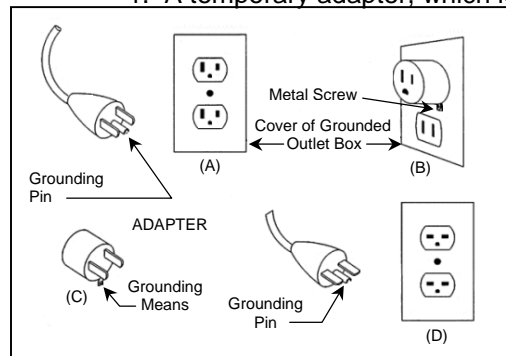
In case of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that 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 of Figure 1. The tool has a grounding plug that looks like the plug illustrated in Sketch A of FIGURE 1. A temporary adapter, which looks like the adapter illustrated in sketches B and C, may be used to



connect this plug to a 2-prong 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.

FIGURE 1

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 the Tile Saw. Receptacles are available having built-in GFCI protections and may be used for this measure of safety.

When using an extension cord, the GFCI should be installed closest to the power source, followed by the extension cord and lastly, the saw.

SAFETY

⚠ WARNING



To avoid the possibility of the appliance plug or receptacle getting wet, position the saw to one side of a wall mounted receptacle. This will prevent water from dripping onto the receptacle or plug. A "drip loop," shown in FIGURE 2, should be arranged by the user to properly position the power cord relative to the power source.

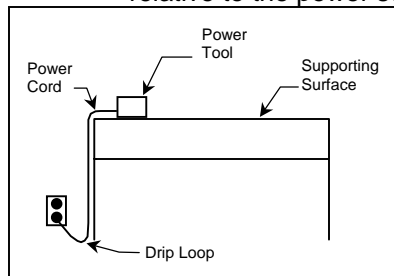


FIGURE 2

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.

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 extensions 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 disconnection the product from the extension cord.

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 undersize 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 customers expense. There will be no warranty claim.

To choose the proper extension cord,

- Locate the length of extension cord needed in TABLE 1 below.
- Once the proper length is found, move down the column to obtain the correct AWG size required for that length of extension cord.

As an example, a fifty (50) foot extension cord would require an AWG size of 12 for a 115 volt circuit.

Extension Cord Minimum Gage for Length				
Volts	Total Length of Cord in Feet			
	25 ft.	50 ft.	100 ft.	150 ft.
	AWG	AWG	AWG	AWG
115V	14	12	Not Recommended	
230V	N/A	14	12	N/A

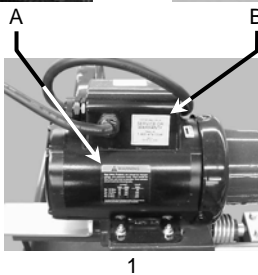
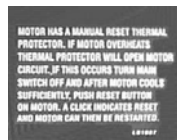
TABLE 1

SAFETY

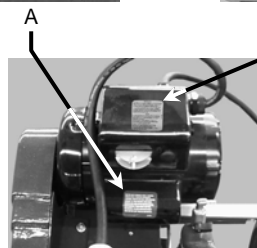
SAFETY LABEL LOCATIONS:

Safety labels are located according to Figures 1 through 5 below. The 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

Item	Location	Description	Part No.
1A.	Motor Rear	Warning – Extension Cord Information	155672
1B.	Motor Rear	Service or Warranty Information	155038
2A.	Motor Top	Thermal Protection Information	N/A
2B.	Motor Top	Motor Grounding Information	N/A
3.	Motor, Right Side	Motor Electrical Information	N/A
4A.	Blade Guard, Left Side	Saw Serial Number	155230
4B.	Blade Guard, Left Side	Caution – General Safety Information	155040
5A.	Pump, Left Side	Warning Connect to Grounded Receptacle	N/A
5B.	Pump, Right Side	Pump Specifications	N/A



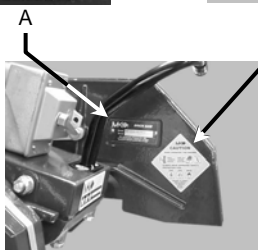
1



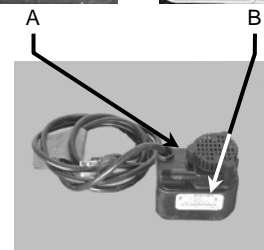
2



3



4



5

TILE SAW SPECIFIC WARNINGS:

⚠ WARNING

Wear eye protection.

Use splash hood for every operation for which it can be used.

Disconnect saw before servicing, when changing cutting blades, and cleaning.

Use tool only with smooth edge cutting blades free of openings and grooves.

Replace damaged cutting blade before operating.

SAFETY

PRODUCT SPECIFICATIONS:

The MK-2000 is a versatile Brick Saw. Operated and used according to this manual, the MK-2000 will provide years of dependable service.

General Description:

The MK-2000 Brick Saw is engineered as a portable brick saw powered by either a 1-1/2 or 2 horsepower electric motor. The saw is capable of cutting masonry up to five (5) inches (127 mm) in height, thirty-one (31) inches (79mm) in length and twenty-three (23) inches (58mm) in width in a single pass.

Motor Specifications:

Motor specifications for the MK-2000 are listed in Table 2 below. The first column shows the NEW MK-2001 with a motor of 1.5 hp and an RPM of 1725.

Horse Power	1.5 hp	1.5 hp	2.0 hp
Voltage	115v	115 v / 230 v	115 v / 230 v
Overall Amperage	13.4	13.4 a / 6.7 a	16.8 a / 8.4 a
Frequency*	60	60	60
RPM	1725	3450 rpm	3450 rpm
Weight	160 lbs	165 lbs	165 lbs

Table 2

Thermal Overload Protection:

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

Blade Capacity:

The MK-2000 is designed for use with a 14-inch diameter segmented wet or dry MK Diamond blade with a .110 to .375 inch cutting width.

Masonry Types:

The MK-2000 can cut a variety of masonry types including, cinder block, slump stone block, wall brick, paver brick, concrete block and cylinders, roofing tile, marble, granite, decorative rock or almost any other non-ferrous material.

NOTE:

The MK-2000 is not designed to cut plastic or ferrous (metals) material.

Spring Assisted Cutting Head:

The MK-2000 is designed with a spring-assisted cutting head to allow for easier step cutting. The Cutting Head can be locked in the down position when cutting smaller pieces.

* The MK-2000 series is also available with a 50hz motor.

UNPACKING, TRANSPORT, UNIVERSAL STAND and ASSEMBLY

UNPACKING:

Your MK-2000 has been shipped from the factory thoroughly inspected. Only minimal assembly is required.

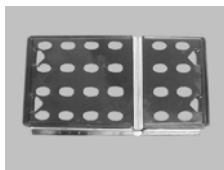
CAUTION Use proper lifting techniques when lifting the MK-2000.

CONTENTS:

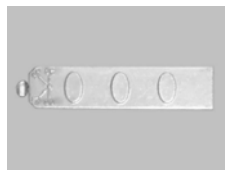
In your container, you will find one (1) MK-2000 and water basin, one (1) MK-2000 movable cutting table, one (1) adjustable cutting guide, one (1) electric water pump, one (1) pump discharge fitting, one (1) cooling transfer tube, one (1) flow adjusting clamp, one (1) drain plug, one (1) blade wrench, one (1) owners manual, one (1) pump manual and one (1) warranty card.



MK-2000 Frame
and Water Basin



Movable
Cutting Table



Adjustable
Cutting Guide



Electric
Water Pump



Pump
Discharge Fitting



Cooling
Transfer Tube



Flow
Adjusting Clamp



Drain Plug



Wrench



Owners
Manual



Pump
Manual



Warranty
Card

TRANSPORT:

- CAUTION**
1. The MK-2000 weighs approximately one hundred and sixty-five (165) pounds.
 2. Never transport the MK-2000 with water in the Water Basin.

NOTE: Lock the Cutting Head in the "DOWN" position and remove the Movable Cutting Table when transporting the MK-2000.

The MK-2000 Pro is designed with recessed handles in the right and left upright castings for ease of transport. To transport –

- Verify the Movable Cutting Head is locked in the down position and the Movable Cutting Table is removed
- Grasp the saw by the recessed handle in the right and left upright castings
- Grasp the front of the saw
- Lift and transport the saw to the desired work location

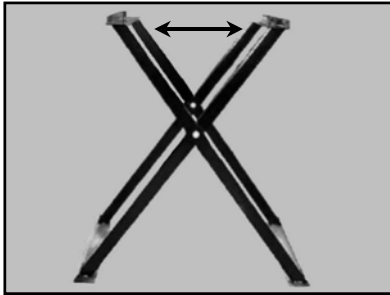


UNPACKING, TRANSPORT, UNIVERSAL STAND and ASSEMBLY

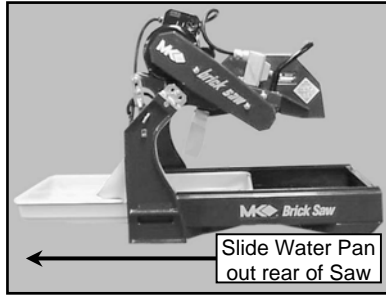
UNIVERSAL STAND:

CAUTION The MK-2000 weighs one hundred and sixty-five (165) pounds; follow the guidelines for transport in the TRANSPORT section, when placing it on the stand.

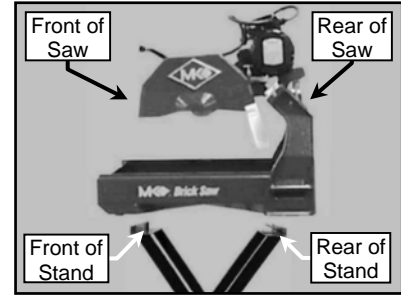
Note: If using the MK Diamond, Universal Stand, follow the following steps.



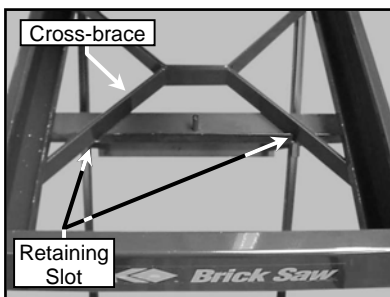
(A)
Open the Universal Stand and place it on flat surface



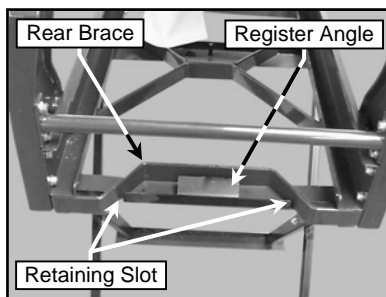
(B)
Remove the Water Pan



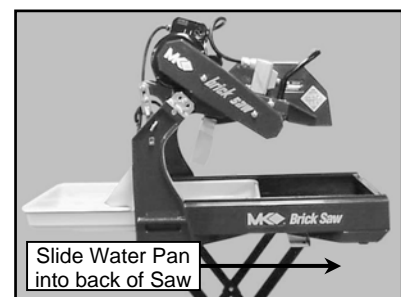
(C)
Orient the Saw to the Stand



(D)
Seat the front Saw cross-brace into the two retaining slots on the front of the Stand



(E)
Seat the rear Saw brace into the two retaining slots on the rear of the Stand and over the Register Angle



(F)
Reinstall the Water Pan

UNPACKING, TRANSPORT, UNIVERSAL STAND and ASSEMBLY

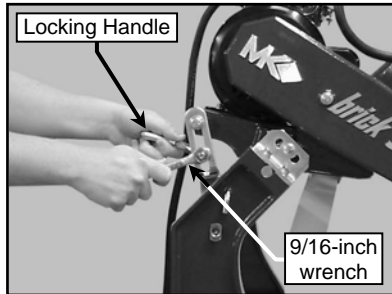
ASSEMBLY:

Follow the assembly instructions in this section to prepare your MK-2000 for operation.

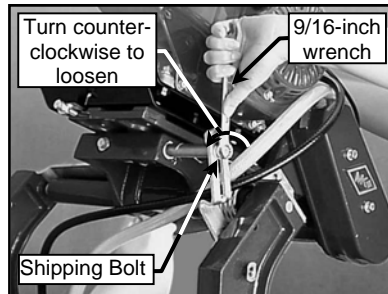
1. Releasing Cutting Head:

CAUTION The following actions will cause the Cutting Head to rotate upward, hold the saw by the handle and control the upward movement.

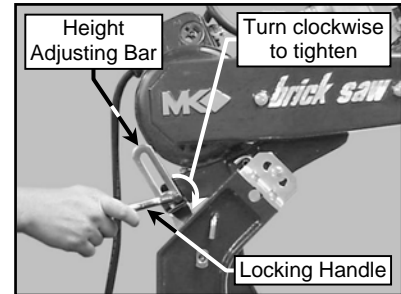
NOTE: The Cutting Head is locked in the down position when shipped from the factory.



(A)
Remove Cutting Head Locking Handle from shipping location discard the Shipping Nut

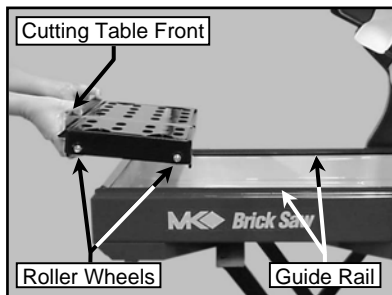


(B)
Remove Shipping Bolt from the Cutting Head – discard Shipping Bolt

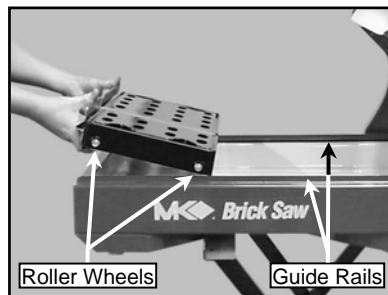


(C)
Install Locking Handle through the Cutting Head Adjusting Bar and into the Height Adjustment Stud

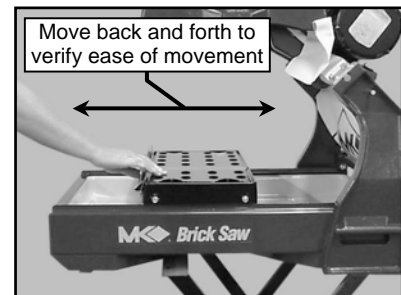
2. Movable Cutting Table Installation:



(A)
While holding the front, position Movable Cutting Table Roller Wheels above Guide Rails



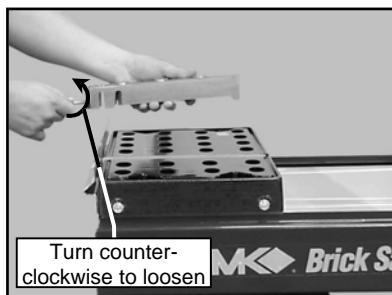
(B)
Seat Movable Cutting Table Roller Wheels on Saw Guide Rails



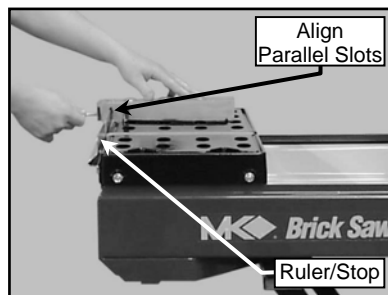
(C)
Verify Movable Cutting Table is seated correctly

3. Adjustable Cutting Guide Installation:

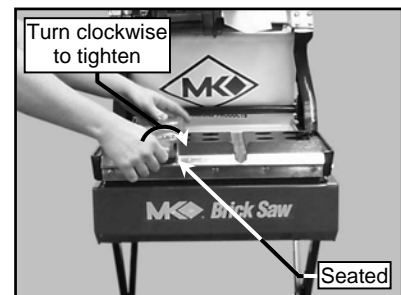
NOTE: The Adjustable Cutting Guide can be used on either side of the Diamond Blade.



(A)
Loosen Adjustable Cutting Guide retaining thumbscrew



(B)
Position Adjustable Cutting Guide above Movable Cutting Table

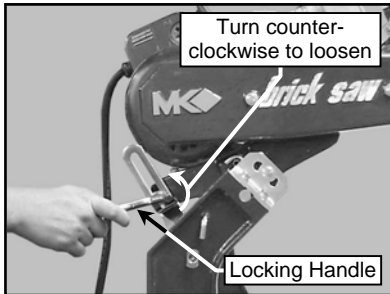


(C)
Seat and tighten the Adjustable Cutting Guide retaining thumbscrew

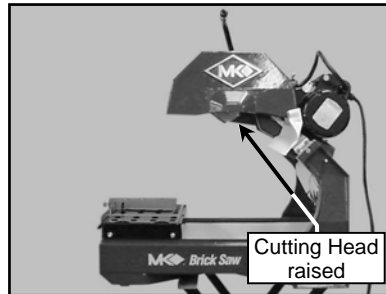
UNPACKING, TRANSPORT, UNIVERSAL STAND and ASSEMBLY

4. Diamond Blade Installation:

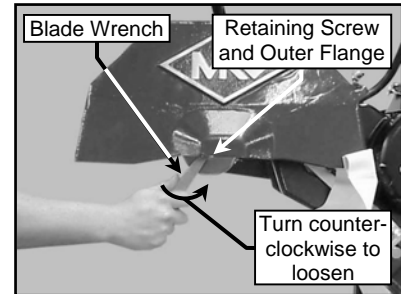
NOTE: When installing the diamond blade retaining-bolt, ensure the threads of the bolt are aligned with the threads of the drive shaft so as not to "cross-thread" the bolt.



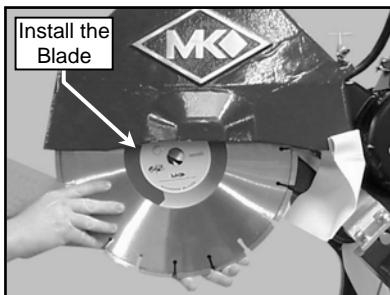
(A)
Loosen the Cutting Head Locking Handle



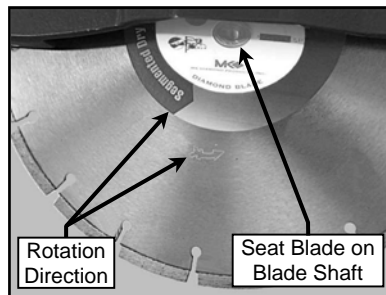
(B)
Raise Cutting Head to the highest position and tighten the Locking Handle



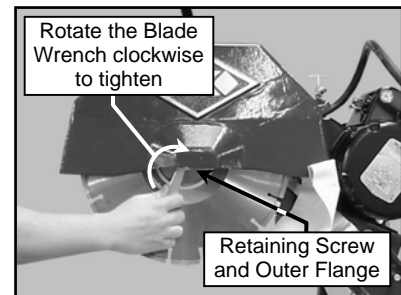
(C)
Identify and remove Retaining Screw and Outer Flange using the Blade Wrench



(D)
Install the Diamond Blade onto Blade Shaft with the Directional Arrows facing out

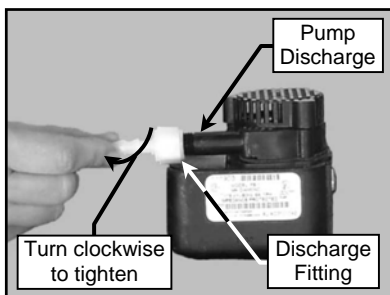


(E)
Verify the Blade is seated on the Blade Shaft and the Directional Arrows are facing out

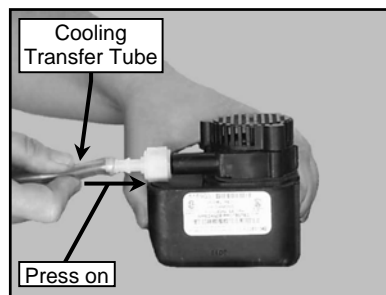


(F)
Install the Retaining Screw and Outer Flange and then tighten

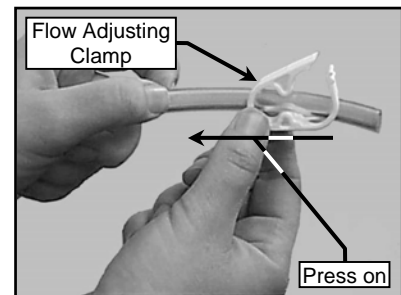
5. Water Pump Preparation:



(A)
Thread the Water Pump Discharge Fitting onto the Water Pump discharge



(B)
Press one end of the Cooling Transfer Tube onto the Water Pump Discharge Fitting



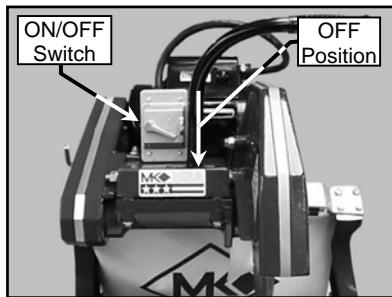
(C)
Slide Cooling Flow Adjusting Clamp onto the Cooling Transfer Tube

SETUP, ADJUSTMENT and OPERATION

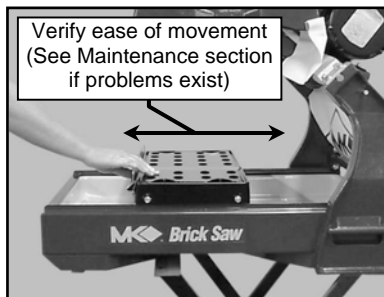
SETUP:

1. Pre-start Inspection:

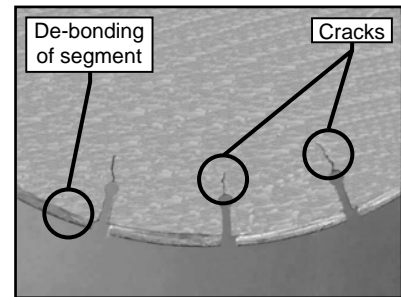
Prior to beginning work, a pre-start inspection of the saw should be performed.



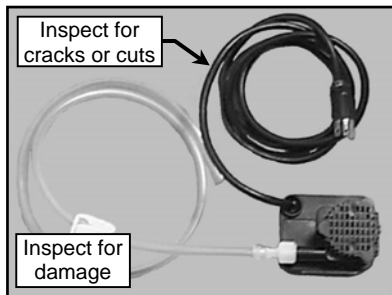
(A)
Ensure the ON/OFF Switch is in the OFF position



(B)
Verify the Movable Cutting Table moves freely along the Guide Rails



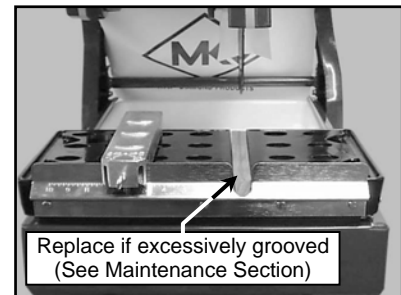
(C)
Inspect the Diamond Blade for damage, cracks and de-bonding; verify the blade is correct for the material being cut



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



(E)
Inspect the MK-2000 for damage – ensure the cord is free of cracks or cuts



(E)
Inspect the Wooden Protective Strip for excessive grooves

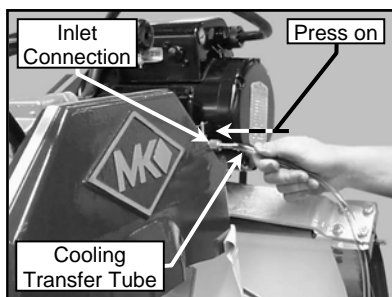
2. Connecting the Water Pump:

WARNING 1. To prevent the possibility electrical shock, the MK-2000 MUST be de-energized when connecting the Water Pump.

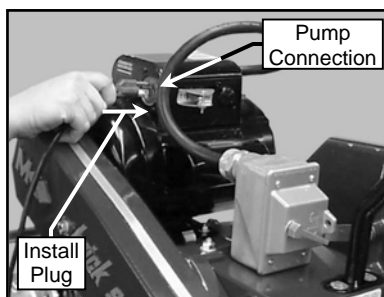


2. To prevent the possibility of electrical shock, use only MK Diamond qualified replacement parts

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

SETUP, ADJUSTMENT and OPERATION

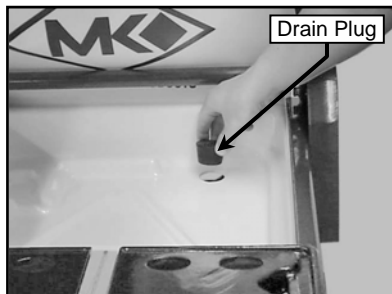
3. Water Pump Setup for Operation:

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

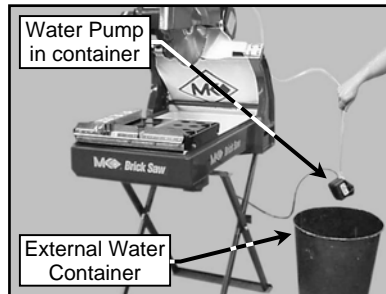
NOTE: If using a dry blade for operation, DO NOT connect the water pump.

I. External Water Source:

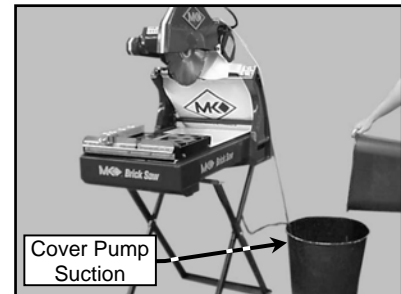
This is the preferred method of cooling.



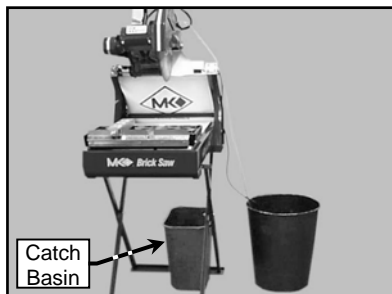
(A)
Verify or remove the Drain plug
from the Water Pan



(B)
Place the Water Pump in an
external container



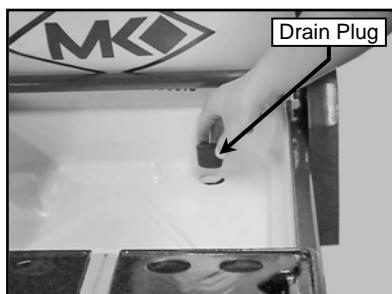
(C)
Fill the external container until
water completely covers the
Water Pump suction



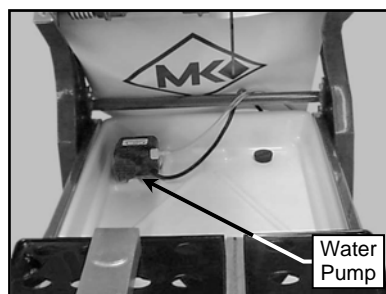
(D)
Place an external catch basin
below the Water Pan drain hole

II. Re-circulation:

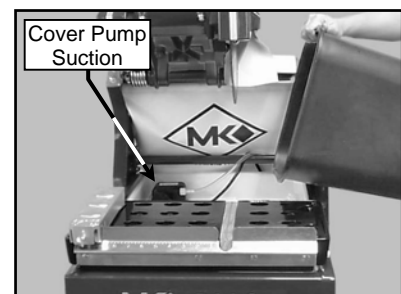
NOTE: When using the re-circulation method, the water should be changed often for longer pump life.



(A)
If not installed, install the Drain
Plug into the Water Pan



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



(C)
Fill the Water Pan until water
completely covers the Water
Pump suction

SETUP, ADJUSTMENT and OPERATION

4 MK-2000 Setup for Operation:

- ⚠CAUTION** 1. Before powering or starting, check for damage that could prevent this equipment from proper operation or performing it's intended function. Check for binding and alignment of moving parts. Check for damaged, broken, or missing parts.
2. Verify the On/Off switch is in the OFF position.
3. Before connecting the MK-2000 to a power supply, be sure the voltage, cycle and phase of the job site power source meet one of the requirements of TABLE 3

VOLTAGE:	115v/240v
CYCLE:	60hz
PHASE:	1-phase

TABLE 3

4. If using an extension power cord, make sure the length and wire gauge correspond to the requirements listed in TABLE 1 on page 9. 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. Do not cover the motor vents as this could lead to motor overheating.

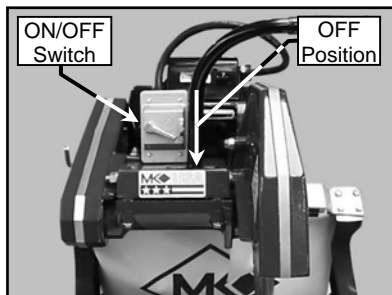
NOTE: In order to avoid breaker tripping, a 20-amp circuit breaker should be used.

Portable Generator:

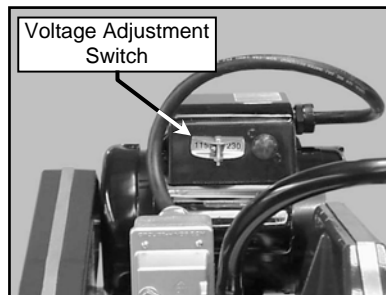
If using a portable generator to provide power, ensure the generator meets the following minimum requirements:

8 KW 120/240 volts 66.7/33.3 amps Single Phase

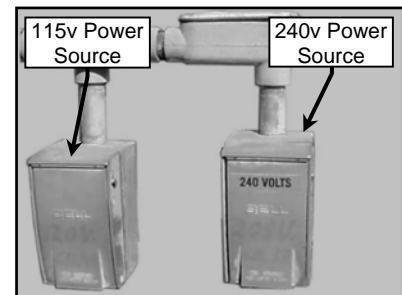
⚠WARNING FOR DUAL VOLTAGE MODELS ONLY ! The MK-2000 motor has 2 voltage positions, 115v and 240v. Ensure the Voltage Adjustment Switch of the MK-2000 motor is set for the voltage of the intended power source **BEFORE** installing the MK-2000 Power cord.



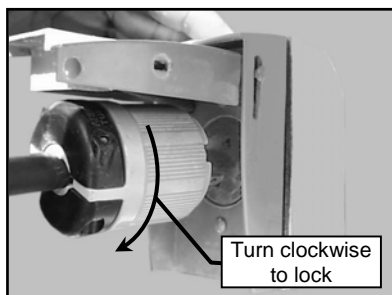
(A)
Ensure the ON/OFF Switch is in the OFF position



(B)
Verify or place the Voltage Adjustment Switch in the correct voltage position (See the Maintenance Section)



(C)
Locate the correct power source for the setting of the MK-2000 Voltage Adjustment Switch



(D)
Align, install and twist to lock the Polarized plug of the MK-2000 into the correct power source

SETUP, ADJUSTMENT and OPERATION

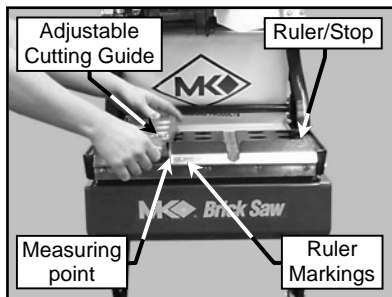
ADJUSTMENT and OPERATION:

- NOTE: 1. Step Cutting is the preferred cutting method for all cuts.
2. When cutting hard material Step Cutting should always be used.
3. Step Cutting will extend the life of the Diamond Blade.

1. Step Cuts:

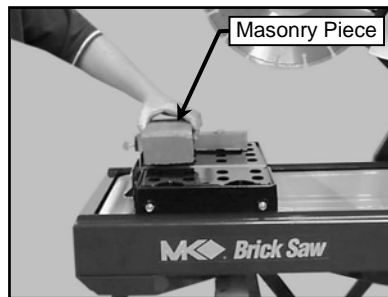
A Step Cut is performed when a series of small cuts of increasing depth are used to complete a single cut. Step Cuts are used for large objects or for hard objects such as Firebrick and Pavers.

Note: Skip steps E and F, if cutting dry.



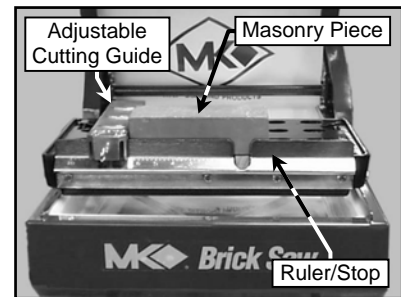
(A)

Set the Adjustable Cutting Guide to the desired length indicated on the side of the Ruler/Stop closest to the Wooden Strip



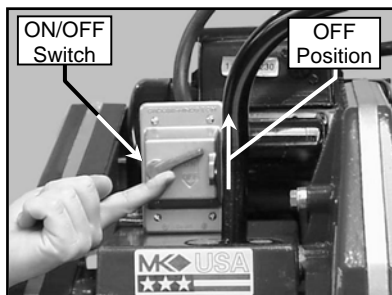
(B)

Place the Masonry Piece onto the Movable Cutting Table



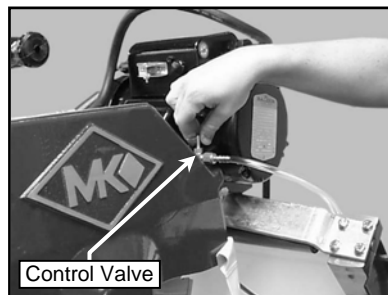
(C)

Verify the Masonry Piece is seated against the Ruler/Stop and the Adjustable Cutting Guide



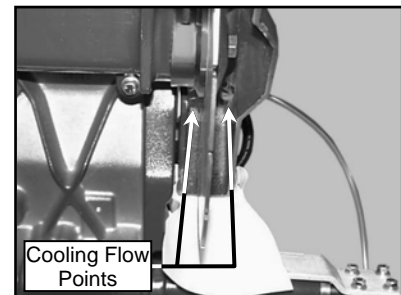
(D)

Place the ON/OFF Switch in the ON position



(E)

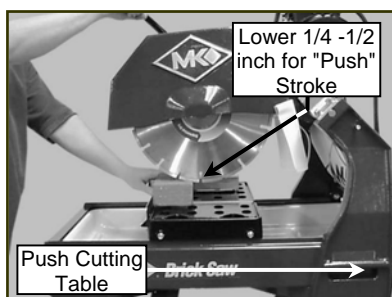
Open the Cooling Flow Control Valve and adjust cooling flow



(F)

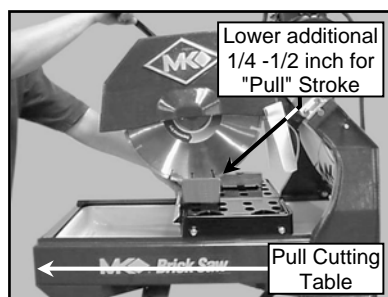
Verify cooling flow exists on both sides of the blade

CAUTION Cut in smooth even strokes; do not force the saw to cut.



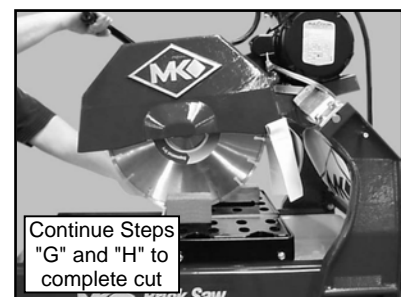
(G)

Hold the Masonry Piece, lower the Cutting Head and "Push" the Piece toward the Blade



(H)

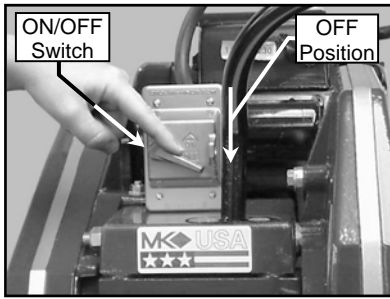
Once the "Push" cut is complete, lower the Cutting Head further and "Pull" the Piece forward into the Blade



(I)

Repeat steps G and H until cutting is complete

SETUP, ADJUSTMENT and OPERATION



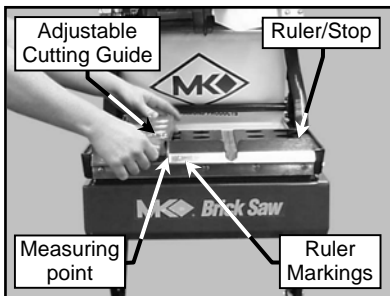
(J)

Turn the Saw off when cutting is complete

2. Chop Cutting:

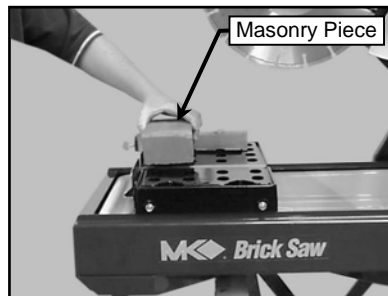
A Chop Cut is performed by cutting completely through an object in one pass.

Note: Skip steps E and F, if cutting dry.



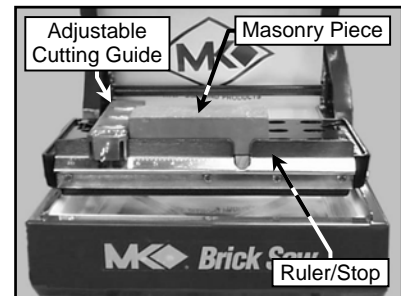
(A)

Set the Adjustable Cutting Guide to the desired length indicated on the side of the Ruler/Stop closest to the Wooden Strip



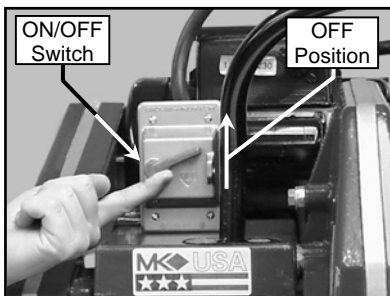
(B)

Place the Masonry Piece onto the Movable Cutting Table



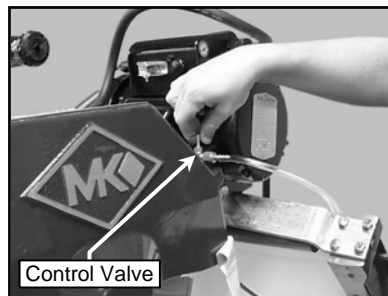
(C)

Verify the Masonry Piece is seated against the Ruler/Stop and the Adjustable Cutting Guide



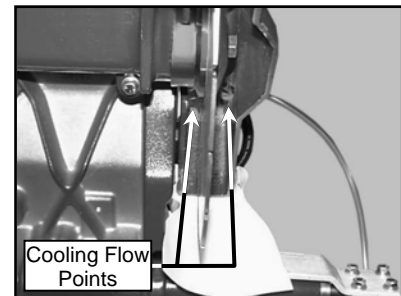
(D)

Place the ON/OFF Switch in the ON position



(E)

Open the Cooling Flow Control Valve and adjust cooling flow

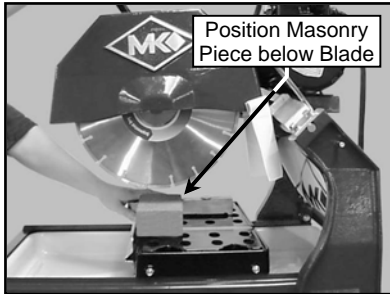


(F)

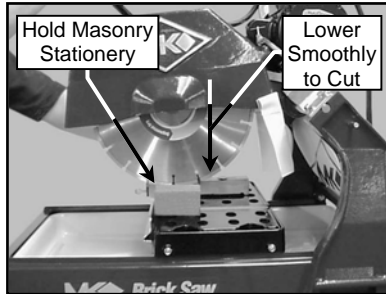
Verify cooling flow exists on both sides of the blade

SETUP, ADJUSTMENT and OPERATION

⚠CAUTION Cut in smooth even strokes; do not force the saw to cut.



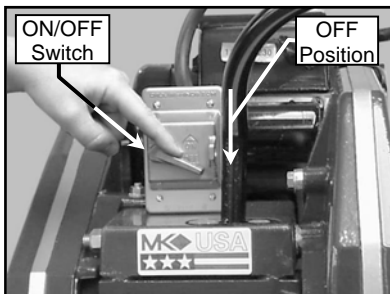
(G)
Position the Masonry Piece below the Blade



(H)
Lower the Cutting Head to begin the cut



(I)
Continue lowering the Cutting Head until the cut is complete
raise the cutting head when the cut is complete



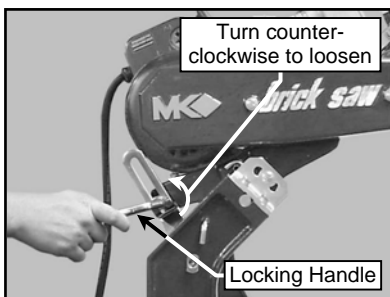
(J)
Turn the Saw off when cutting is complete

3. Cutting with the Cutting Head Locked Down:

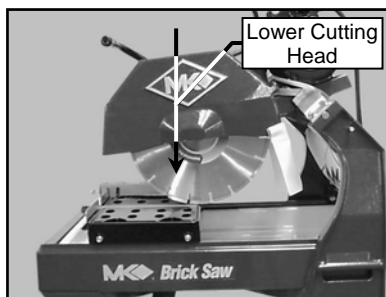
This method is preferred when cutting small objects.

⚠CAUTION Cut in smooth even strokes; do not force the saw to cut.

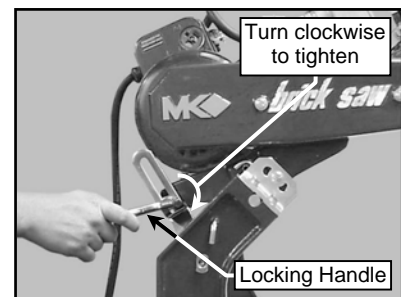
Note: Skip steps H and I, if cutting dry.



(A)
If locked, loosen the Cutting Head Locking Handle

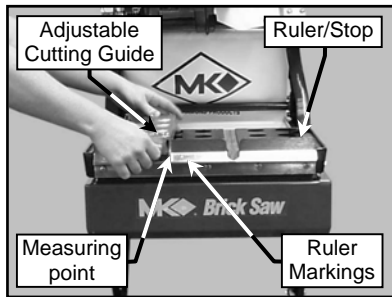


(B)
Lower the Cutting Head until the Blade touches the Protective Wooden Strip



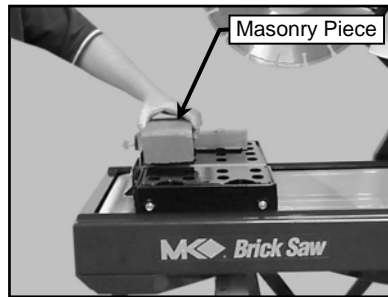
(C)
Lock the Cutting Head in the "Down" position using the Locking Handle

SETUP, ADJUSTMENT and OPERATION



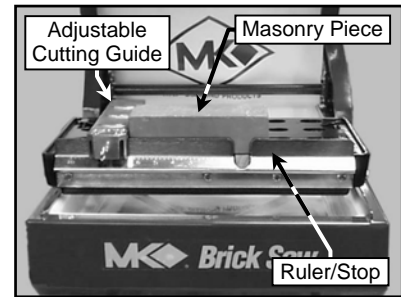
(D)

Set the Adjustable Cutting Guide to the desired length indicated on the side of the Ruler/Stop closest to the Wooden Strip



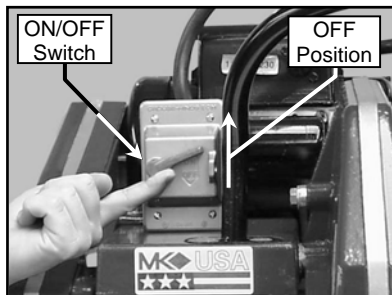
(E)

Place the Masonry Piece onto the Movable Cutting Table



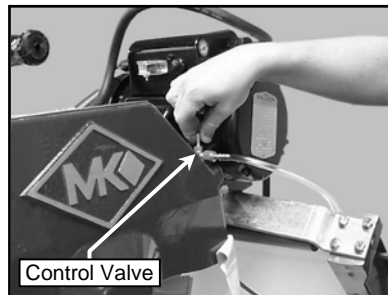
(F)

Verify the Masonry Piece is seated against the Ruler/Stop and the Adjustable Cutting Guide



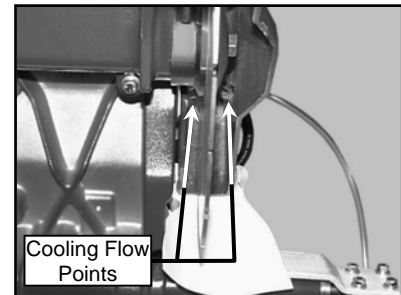
(G)

Place the ON/OFF Switch in the ON position



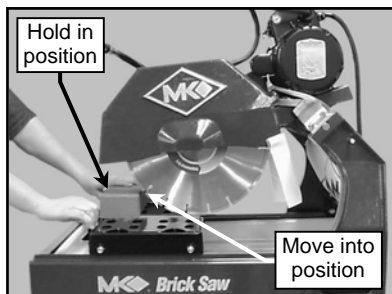
(H)

Open the Cooling Flow Control Valve and adjust cooling flow



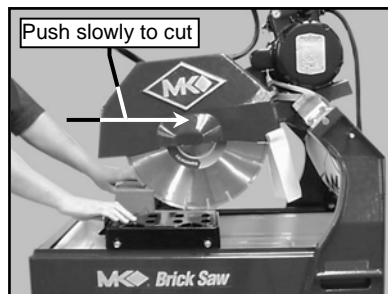
(I)

Verify cooling flow exists on both sides of the blade



(J)

Move the Cutting Table to position the Masonry Piece in front of the Blade



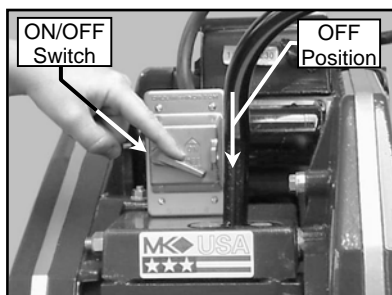
(K)

Slowly push piece into the blade until cutting begins



(L)

Continue to push the Masonry Piece into the Blade until the cut is complete



(M)

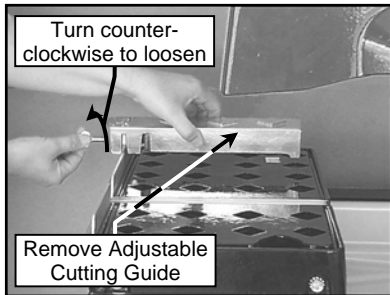
Turn the Saw off when cutting is complete

SETUP, ADJUSTMENT and OPERATION

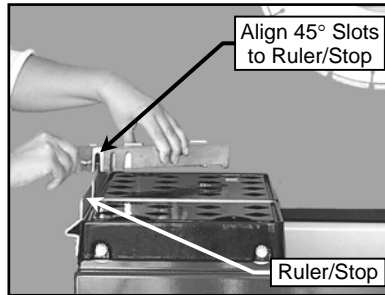
4. Angle Cuts:

Angle Cuts may be performed using any cutting method. The following example uses the Step Cut method.

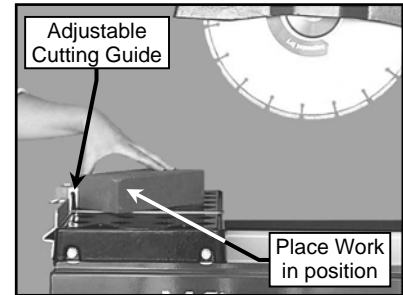
Note: Skip steps F and F, if cutting dry.



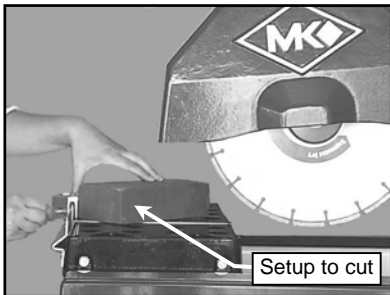
(A)
Remove the Adjustable
Cutting Guide



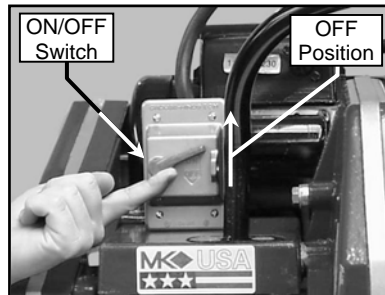
(B)
Reposition the Adjustable Cutting
Guide to the 45° cutting position



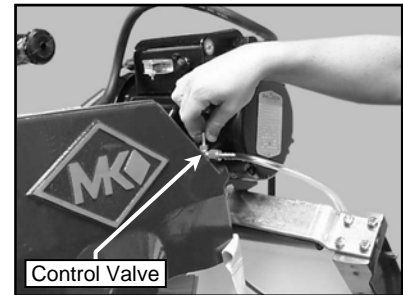
(C)
Position Masonry Piece against
the Adjustable Cutting Guide



(D)
Position the Masonry Piece
and Adjustable Cutting Guide
to the desired cut length

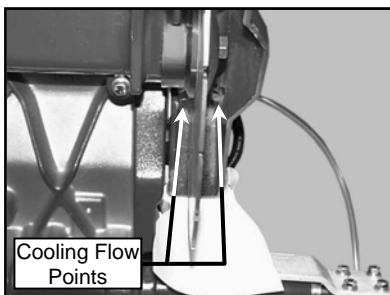


(E)
Place the ON/OFF Switch in
the ON position

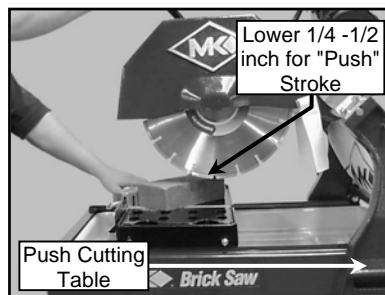


(F)
Open the Cooling Flow Control
Valve and adjust cooling flow

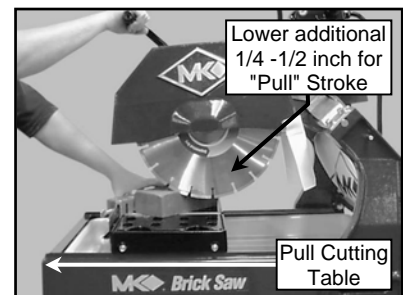
⚠CAUTION Cut in smooth even strokes; do not force the saw to cut.



(G)
Verify cooling flow exists on
both sides of the blade



(H)
Hold the Masonry Piece, lower
the Cutting Head and "Push"
the Piece toward the Blade

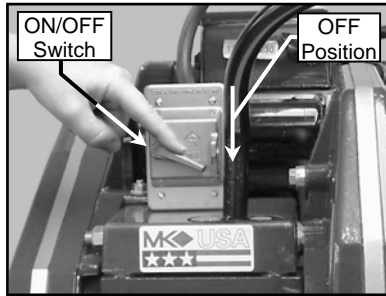


(I)
Once the "Push" cut is
complete, lower the Cutting
Head further and "Pull" the
Piece forward into the Blade

SETUP, ADJUSTMENT and OPERATION



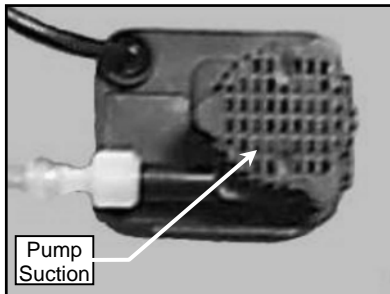
(J)
Repeat steps H and I until cutting is complete



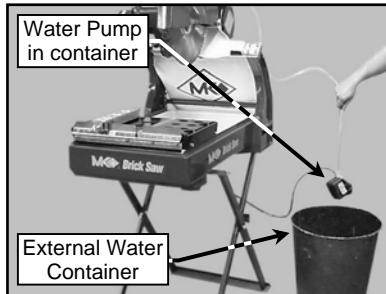
(K)
Turn the Saw off when cutting is complete

5. Cleanup:

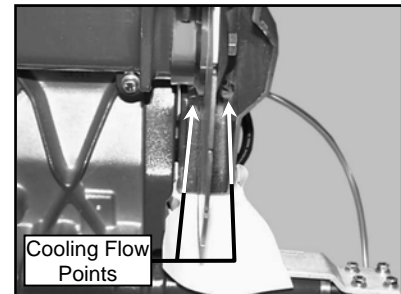
NOTES: 1. If an external water source was used, steps A through C may be skipped.
2. Dispose of wastewater in accordance with applicable Federal, State and Local laws.



(A)
Clean the Water Pump suction of all debris

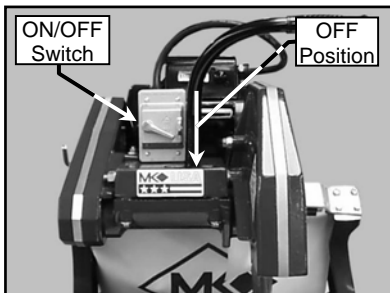


(B)
Place the Water Pump in an external container

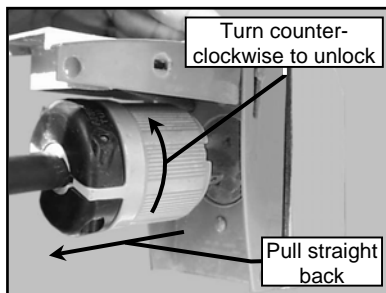


(C)
Run the MK-2000 until clear water is seen at the Blade cooling ports (Approx. 1 minute)

⚠ CAUTION Ensure the saw is disconnected before completing the remainder of the cleanup process.



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

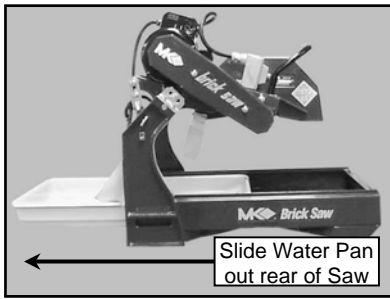


(E)
Unplug the MK-2000 Polarized plug from the power source by turning counter-clockwise and then pulling straight back

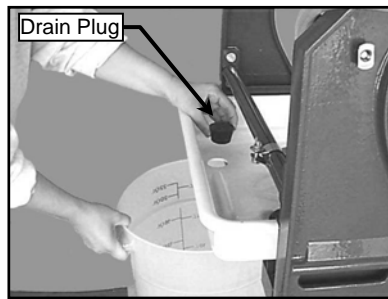


(F)
Clean the MK-2000 with soap and clean water

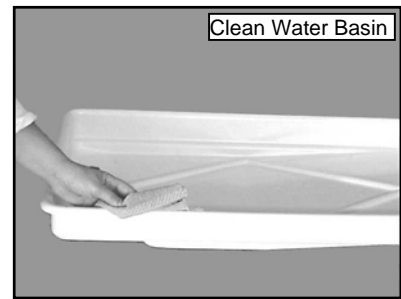
SETUP, ADJUSTMENT and OPERATION



(G)
Remove the Water Pan

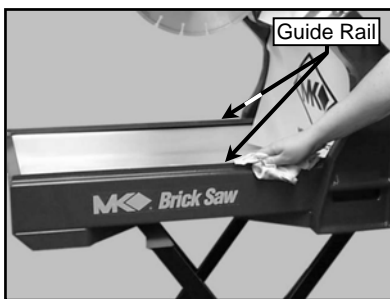


(H)
Remove Drain Plug and
dispose of water (conform to
Federal, State and local laws
for disposal)

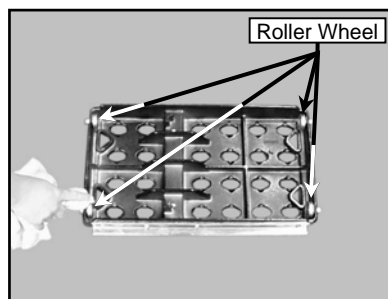


(I)
Clean Water Basin with soap
and clean water

⚠CAUTION Ensure water is not forced into the motor casing when cleaning.



(J)
Clean the Movable Cutting
Table Guide Rails



(K)
Clean the Movable Cutting
Table Roller Wheels



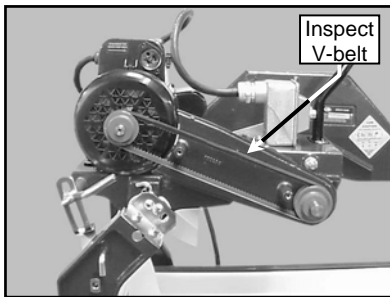
(L)
Clean the remainder of the
MK-2000

MAINTENANCE AND TROUBLESHOOTING

MAINTENANCE:

1. New Maintenance:

Perform the following after initial purchase and operation of the MK-2000.

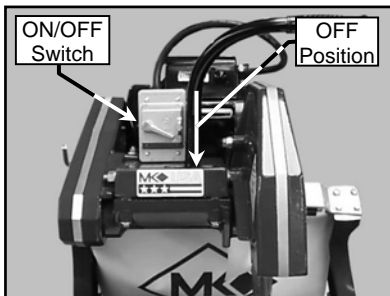


(A)

Check and adjust V-belt tension following the first 48 hours of operation (See V-belt Inspection)

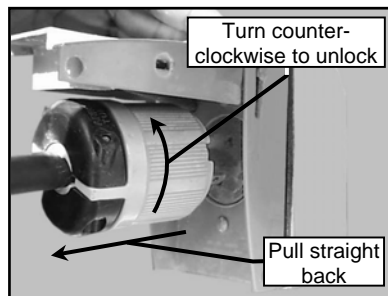
2. Maintenance Following Use:

To extend the life of the MK-2000, the following procedure should be performed after each use. Lubricate all points listed below with light oils such as, 3 in 1, WD-40, etc.



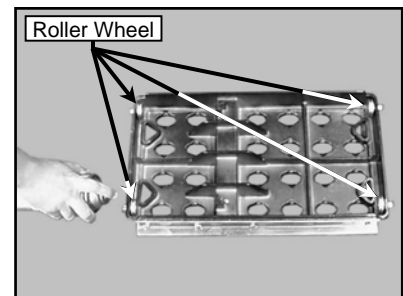
(A)

Ensure the ON/OFF Switch is in the OFF position



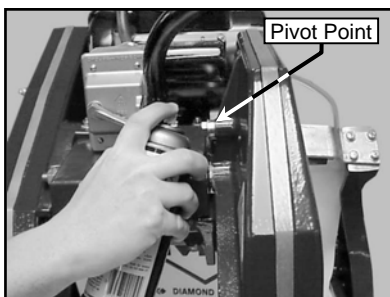
(B)

Unplug the MK-2000 Polarized plug from the power source by turning counter-clockwise and then pulling straight back



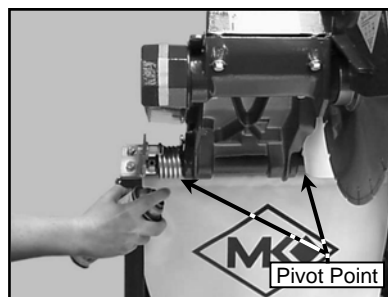
(C)

Lubricate the Movable Cutting Table Roller Wheels



(D)

Lubricate the Blade Guard Pivot Points



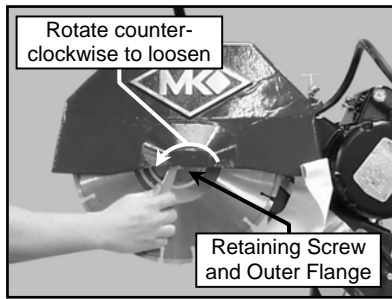
(E)

Lubricate the Cutting Head Pivot Points

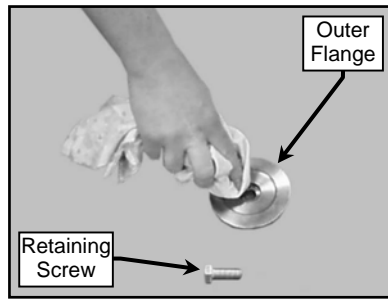
MAINTENANCE AND TROUBLESHOOTING

3. Monthly Maintenance:

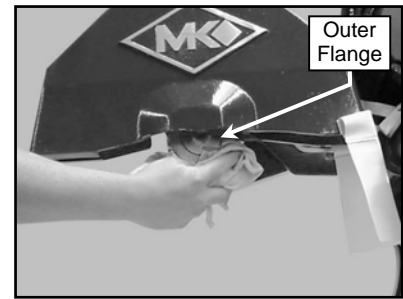
The following maintenance should be performed monthly.



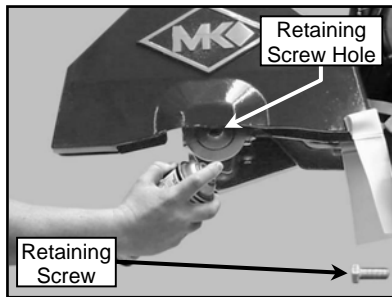
(A)
Remove the Diamond Blade



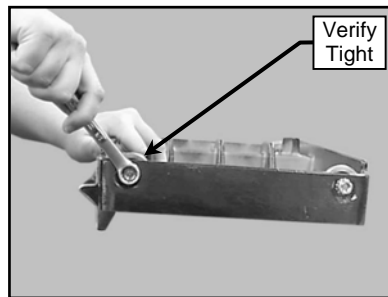
(B)
Clean the Outer Flange and
Retaining Screw



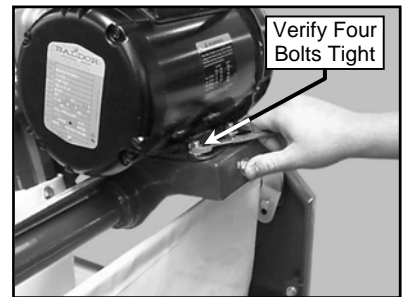
(C)
Clean the Inner Flange



(D)
Lubricate the Retaining Screw
and Retaining Screw Hole



(E)
Verify the Movable Cutting
Table Roller Wheels are tight
and in good condition



(F)
Verify all motor mounting Bolts
are tight

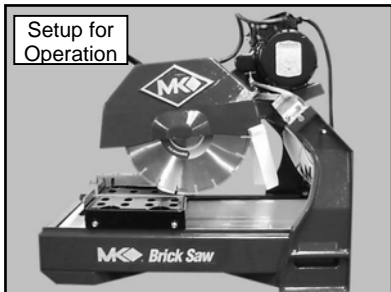


(G)
Verify the Motor Adjustment
Strap is tight

MAINTENANCE AND TROUBLESHOOTING

4. Blade Dressing:

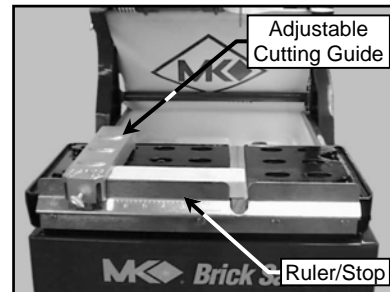
Like most cutting instruments, a diamond blade performs best when it is dressed. Over time and use, diamonds on the outer edge of the blade will become smoothed or “glazed” over. This will reduce grinding efficiency and may cause the blade to “wander” or bend giving the illusion of an alignment problem. When this occurs, the blade will need to be dressed. The diamond blade can be dressed using the MK Dressing Stick (part number 152972) and by following the steps below.



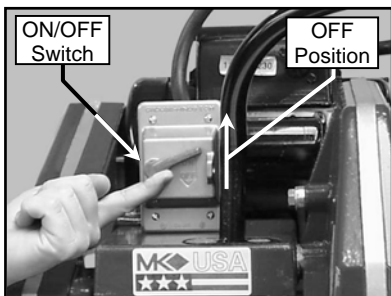
(A)
Setup the MK-2000 for operation
(See Setup, Adjustment and
Operation Section)



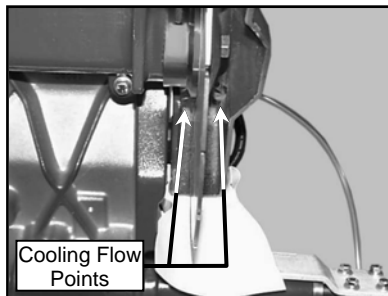
(B)
Set the Adjustable Cutting Guide
to cut a 1/16-strip



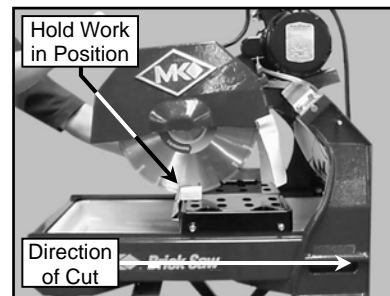
(C)
Position the Dressing Stick
against the Adjustable Cutting
Guide and the Ruler/Stop



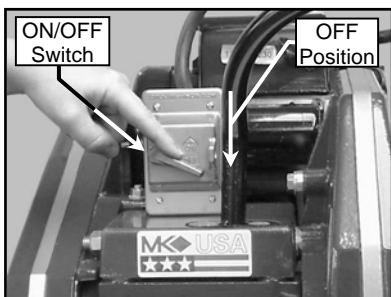
(D)
Place the ON/OFF Switch in
the ON position



(E)
Verify cooling flow exists on
both sides of the blade



(F)
Cut the Dressing Stick 7 or 8
times to dress the Blade

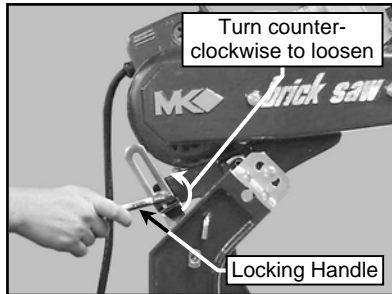


(G)
Turn the Saw off when cutting
is complete

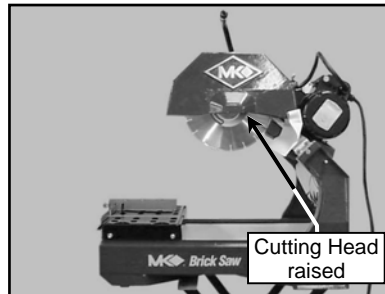
MAINTENANCE AND TROUBLESHOOTING

5. Diamond Blade Change-out:

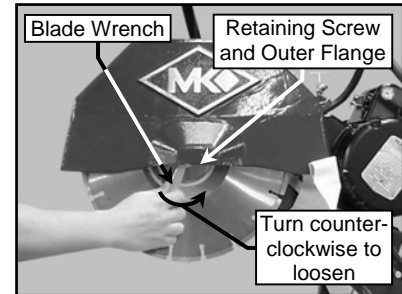
NOTE: When installing the diamond blade retaining-bolt, ensure the threads of the bolt are aligned with the threads of the drive shaft so as not to "cross-thread" the bolt.



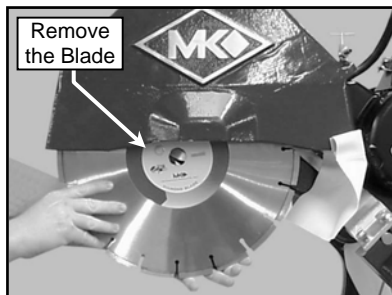
(A)
Loosen the Cutting Head
Locking Handle



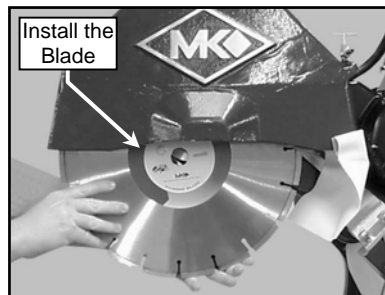
(B)
Raise Cutting Head to the
highest position and tighten the
Locking Handle



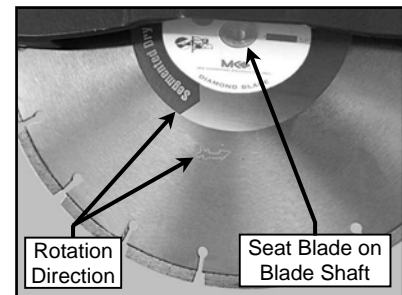
(C)
Identify and remove Retaining
Screw and Outer Flange using
the Blade Wrench



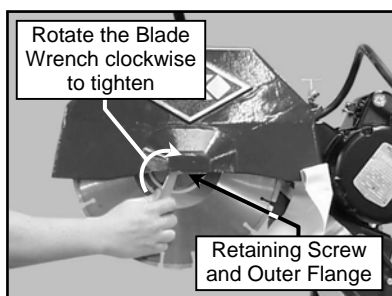
(D)
Remove the old Diamond Blade



(E)
Install the new Diamond Blade
onto Blade Shaft



(F)
Verify the Blade is seated on the
Blade Shaft and the Directional
Arrows are facing out

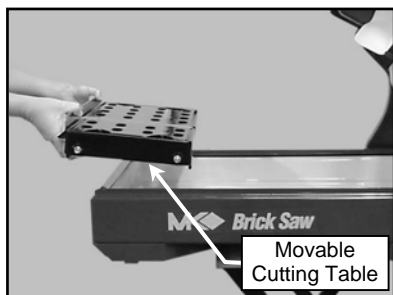


(G)
Install the Retaining Screw and
Outer Flange and then tighten

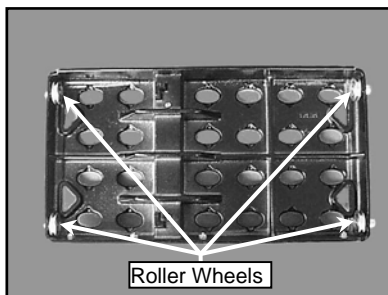
MAINTENANCE AND TROUBLESHOOTING

6. Movable Cutting Table Wheel Change Out:

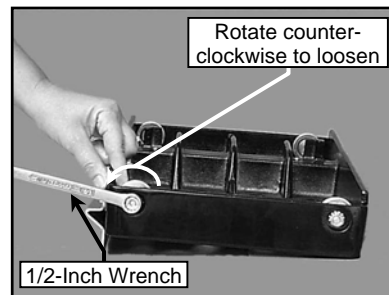
NOTE: All four (4) Movable Cutting Table, Roller Wheels should be replaced at the same time (MK Diamond Part No. – 133090)



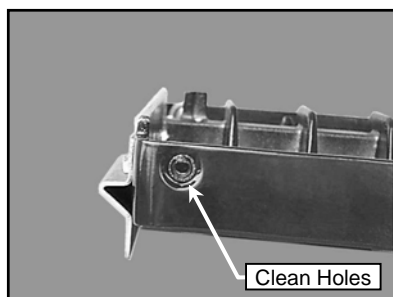
(A)
Remove the Movable Cutting Table



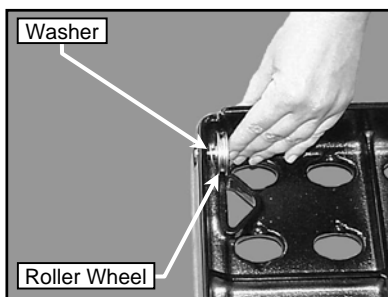
(B)
Place the Movable Cutting Table on a Workbench with the Roller Wheels facing up



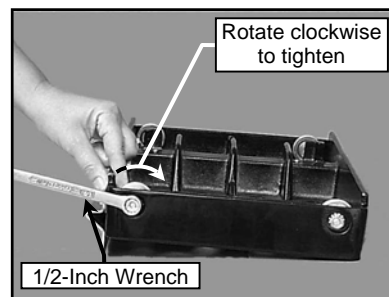
(C)
Using a 1/2-inch wrench, remove the Roller Wheel Retaining Nut and the Roller Wheel



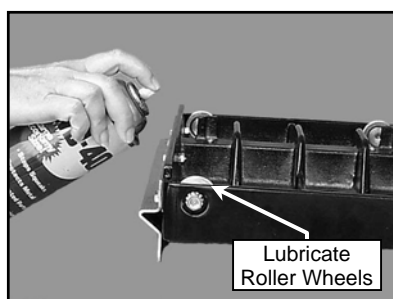
(D)
Clean the Roller Wheel Shaft Holes in the Movable Cutting Table before installing new Roller Wheels



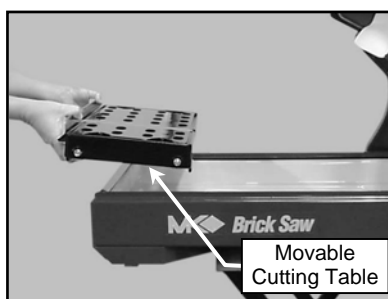
(E)
Install the Wheel/Washer Assembly into Movable Cutting Table Wheel Shaft Hole



(F)
Install the Roller Wheel Retaining Nut and tighten using a 1/2-inch wrench



(G)
Lubricate the Roller Wheels using light oil (Such as WD-40, 3 in 1, etc.)

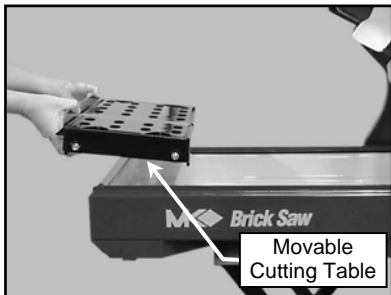


(H)
Remove the Movable Cutting Table

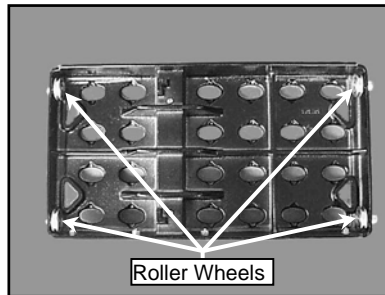
MAINTENANCE AND TROUBLESHOOTING

7. Protective Wooden Strip Replacement:

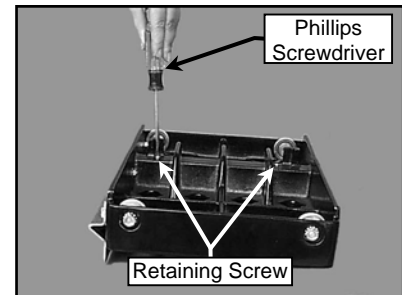
The protective wooden strip is to protect the Movable Cutting Table from damage during operation. Over time, the wooden strip will become grooved from use. A grooved wooden strip will not support masonry during cutting causing the blade to "break through" the piece instead of performing a smooth cut (MK Diamond Part No. – 156427).



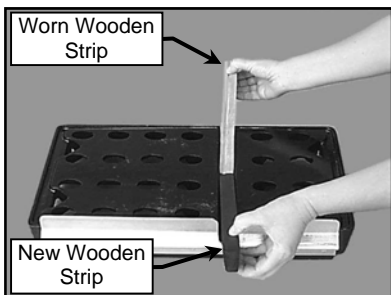
(A)
Remove the Movable Cutting Table



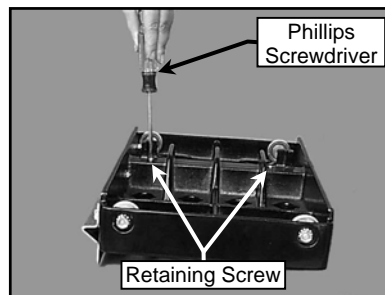
(B)
Place the Movable Cutting Table on a Workbench with the Roller Wheels facing up



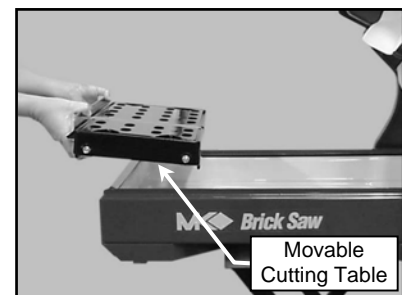
(C)
Remove the two Protective Wooden Strip Retaining Screws using a Phillips Screwdriver



(D)
Replace the worn Protective Wooden Strip with the new Protective Wooden Strip



(E)
Place the Movable Cutting Table on a Workbench with the Roller Wheels facing up and reinstall the Retaining Screws

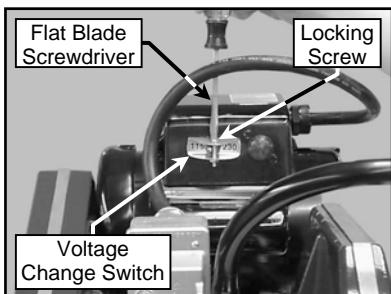


(F)
Remove the Movable Cutting Table

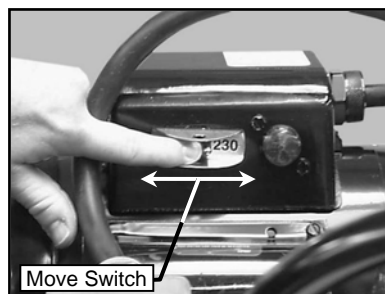
8. Changing Voltage Setting:

Perform the following steps to change the voltage setting between 115v and 240v.

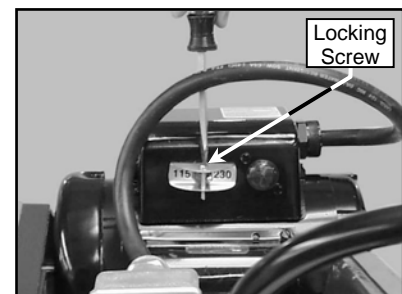
CAUTION The power must be removed from the saw before changing the voltage setting.



(A)
Remove the Voltage Change Switch Locking Screw using a Flat Blade Screwdriver



(B)
Move the Voltage Change Switch to the desired voltage setting



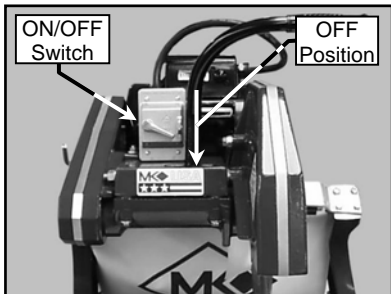
(C)
Reinstall the Locking Screw

MAINTENANCE AND TROUBLESHOOTING

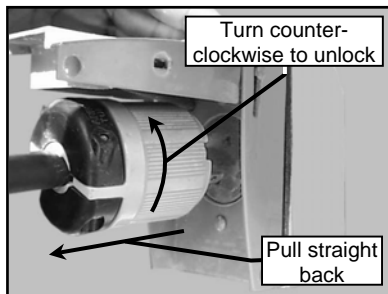
9. V-Belt Inspection, Adjustment and Replacement:

The MK-2000 is designed with a power transmission v-belt. In order to ensure the MK-2000 operates a peak efficiency, the v-belt should be inspected monthly, and changed if the v-belt shows damage and/or excessive wear.

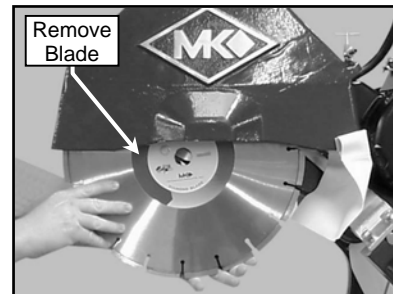
NOTE: 1. When a new belt is installed, it should be inspected and re-tensioned after the first forty-eight (48) hours of operation.



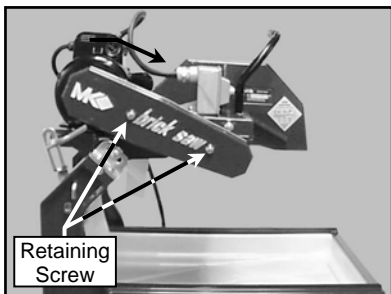
(A)
Ensure the ON/OFF Switch is in the OFF position



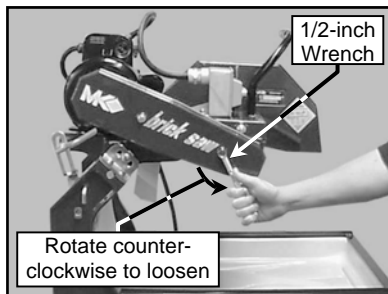
(B)
Unplug the MK-2000 Polarized plug from the power source by turning counter-clockwise and then pulling straight back



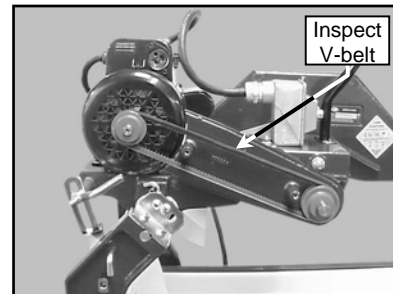
(C)
Remove the Blade (See the Diamond Blade Change Out Section)



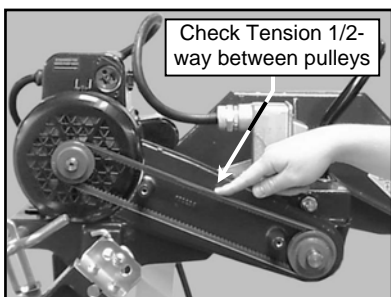
(D)
Locate the two Belt Guard Retaining Screws



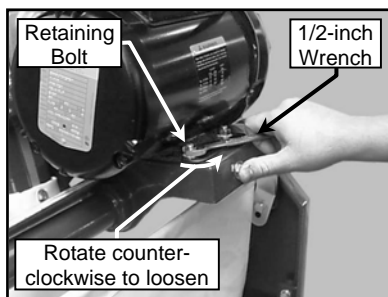
(E)
Remove the Belt Guard Retaining Screws and the Belt Guard using a 1/2-inch wrench



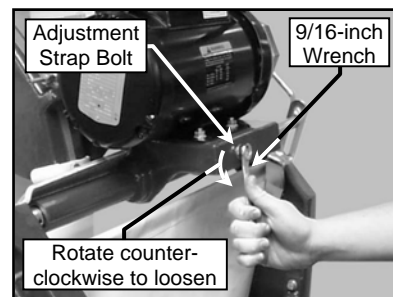
(F)
Inspect the V-belt for cracks, Fraying, separation and wear. Go to step H if belt replacement is required



(G)
Check the V-belt for proper tension if the tension is correct, go to step R (Proper tension 1/8-inch deflection)

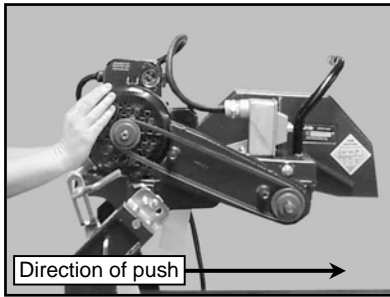


(H)
Loosen the Motor Mounting Bolts using a 1/2-inch wrench; if re-tensioning only, go to step N

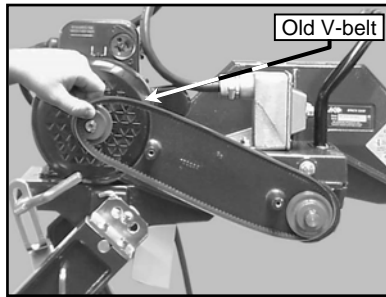


(I)
Loosen the Motor Adjustment Strap using a 9/16-inch wrench

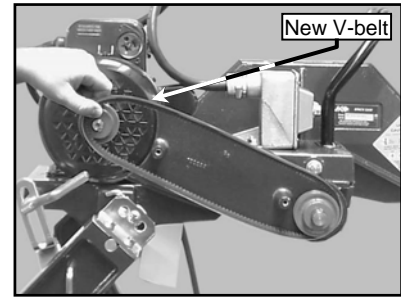
MAINTENANCE AND TROUBLESHOOTING



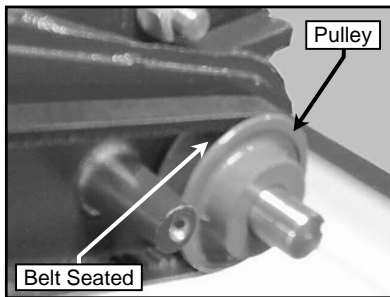
(J)
Push the Motor forward to
loosen the V-belt



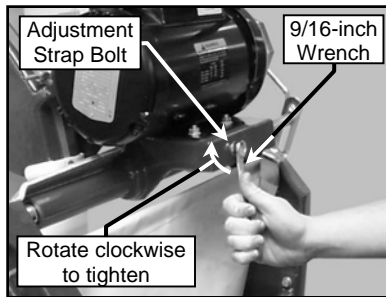
(K)
Remove the old V-belt



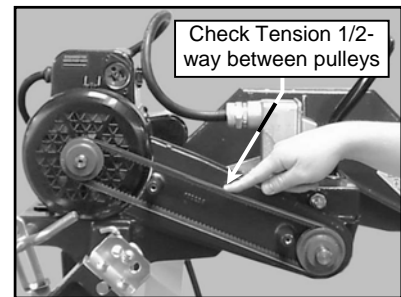
(L)
Install the new V-belt MK Part
Number, 158194



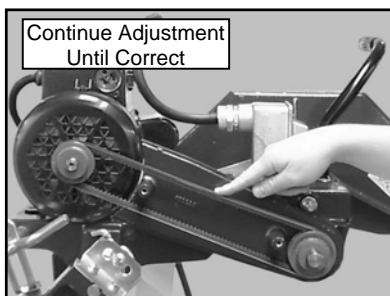
(M)
Verify the V-belt is seated in the
grooves of both pulleys



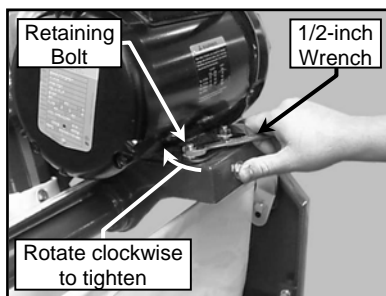
(N)
Tighten the Motor Adjustment
Strap using a 9/16-inch wrench to
remove slack



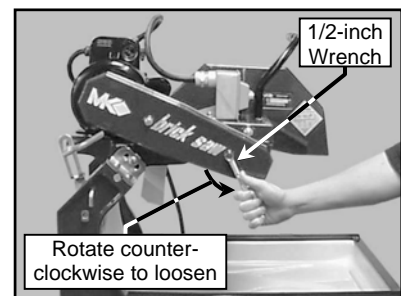
(O)
Check the V-belt for proper
tension if the tension is
correct, go to step R (Proper
tension 1/8-inch deflection)



(P)
Repeat steps N and O until
proper V-belt tension is achieved



(Q)
Tighten the Motor Mounting
Bolts using a 1/2-inch Wrench

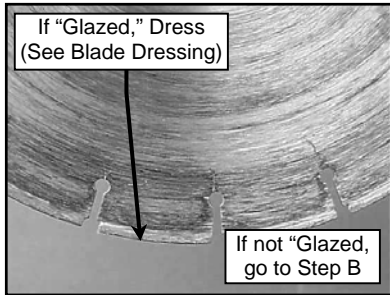


(R)
Install the Belt Guard

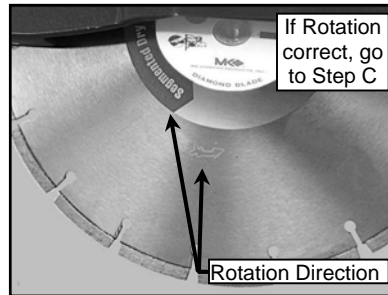
MAINTENANCE AND TROUBLESHOOTING

TROUBLESHOOTING:

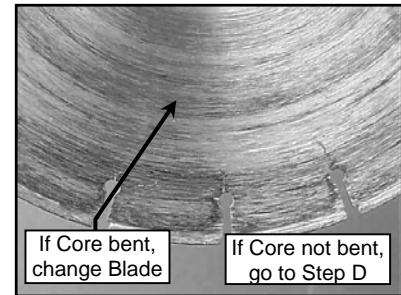
1. Blade Will Not Cut Properly:



(A)
Check the Blade for smoothness or "Glazing" and Dress the Blade if it is "Glazed"



(B)
Check for proper rotation



(C)
Ensure the blade core is not bent

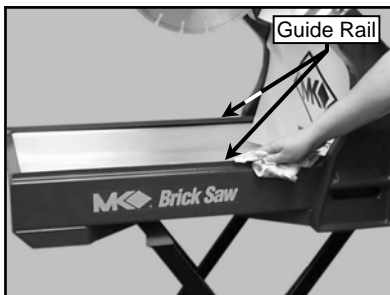


(D)
Verify the Blade is correct for the material being cut

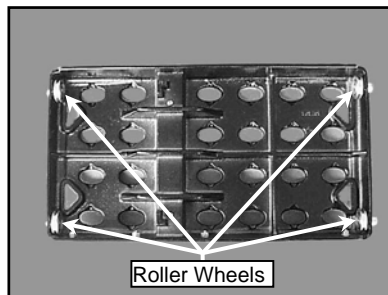
**Return to
MK Diamond
for Repair**

(E)
Return to MK Diamond

2. Movable Cutting Table Does Not Move Correctly:



(A)
Check that the Movable Cutting Table Guide Rails are clean and clean if dirty



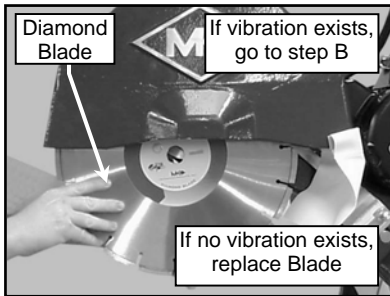
(B)
Ensure the Movable Cutting Table Roller Wheels are clean and in good condition, clean or replace if necessary

**Return to
MK Diamond
for Repair**

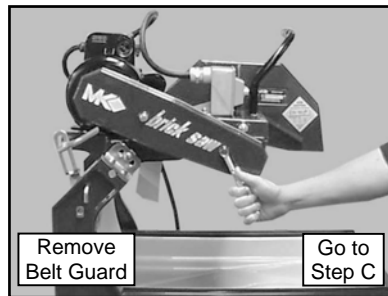
(C)
Return to MK Diamond

MAINTENANCE AND TROUBLESHOOTING

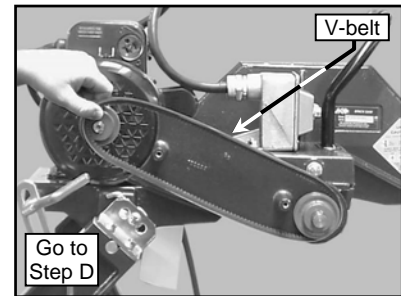
3. Vibration:



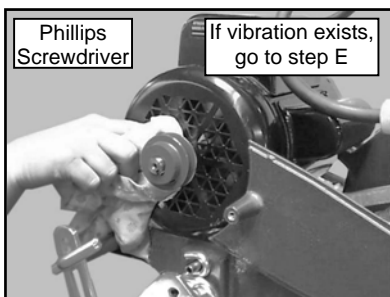
(A)
Remove the Diamond Blade
and recheck vibration



(B)
Remove the Belt Guard



(C)
Remove the V-belt

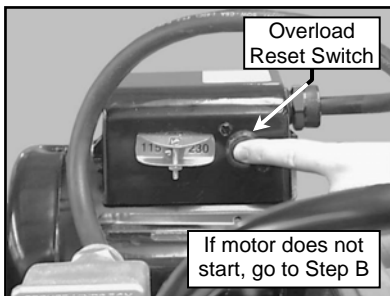


(D)
Clean Motor and recheck
vibration

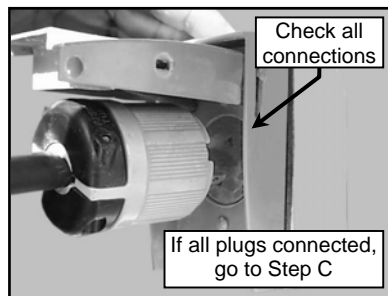
**Return to
MK Diamond
for Repair**

(E)
Return to MK Diamond

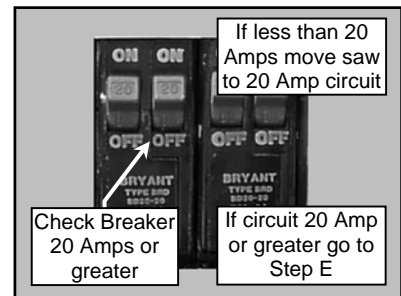
4. Blade Stops Turning:



(A)
Allow motor to cool at least five
minutes and then depress
motor Overload Reset Switch

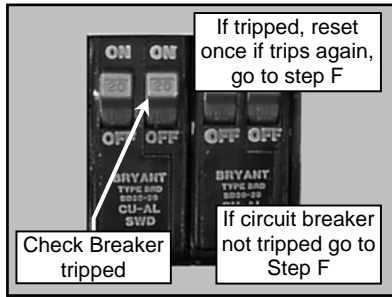


(B)
Verify all power connections
are fully installed



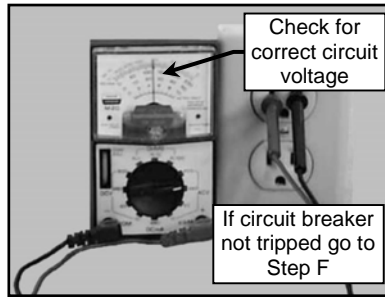
(C)
Verify the circuit breaker is at
least 30 amps – if not, move to
30-amp circuit

MAINTENANCE AND TROUBLESHOOTING



(D)

Verify Circuit Breaker is not tripped; if tripped, reset the Circuit Breaker once



(E)

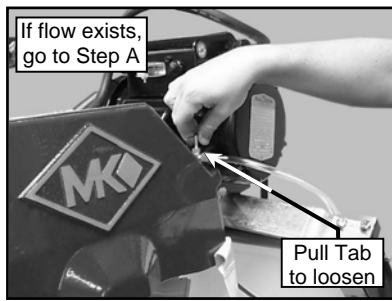
Check power source voltage is 115V (240v if running at 240v) – if not 115v move to another circuit

**Return to
MK Diamond
for Repair**

(F)

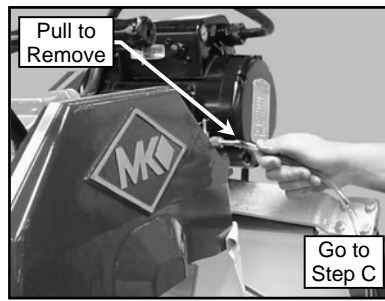
Return to MK Diamond

5. Cooling Flow:



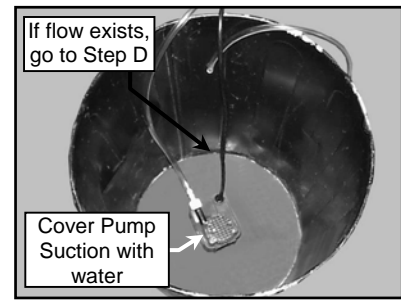
(A)

Check Cooling Flow Adjusting Valve open



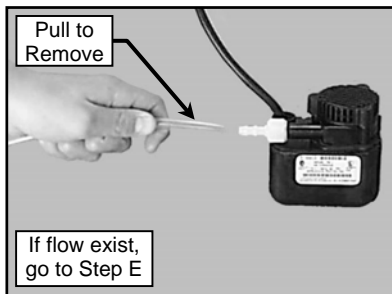
(B)

Remove the Cooling Transfer Tube from the Blade Guard inlet



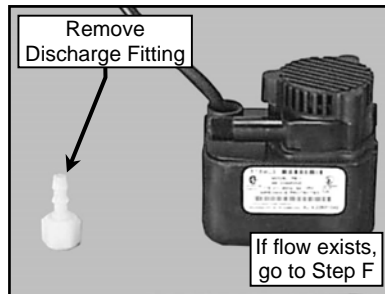
(C)

Place Pump into a bucket of water and check flow



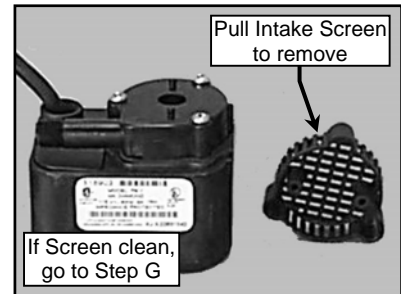
(D)

Remove the Cooling Transfer Tube and check flow



(E)

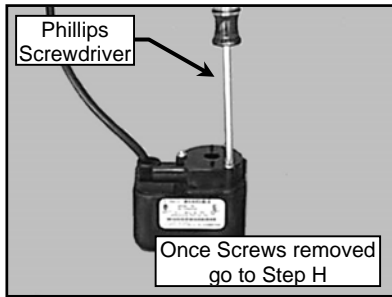
Remove the Pump Discharge Fitting and check



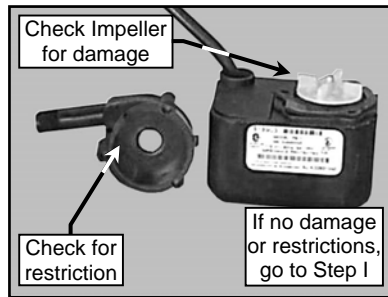
(F)

Remove the Pump Intake Screen and check for debris

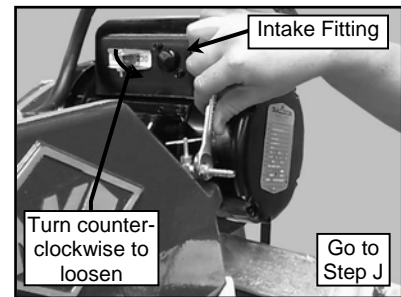
MAINTENANCE AND TROUBLESHOOTING



(G)
Remove the 3 Pump Casing Retaining Screws

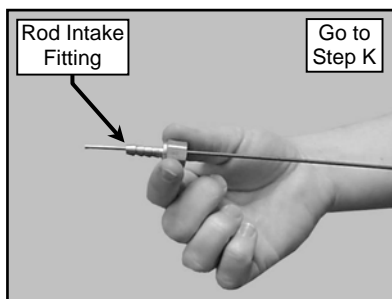


(H)
Remove the Pump Casing and check for restriction; check Impeller damage

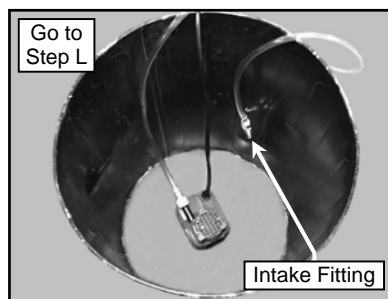


(I)
Using a 1/2-inch wrench, remove the Intake Fitting from the Cooling Flow Control Valve

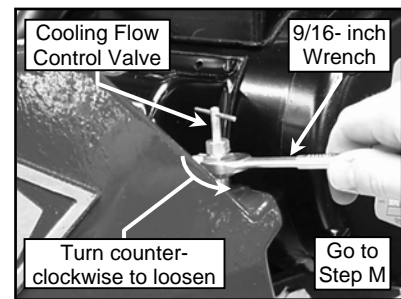
NOTE: "Rodding" cooling channels is performed by inserting a small wire rod through the cooling inlet on top of the Blade Guard and directing the rod out through each of the cooling flow tubes located on the underside of the Blade Guard. The cooling channels should be "rodded" until all ports are free of foreign debris.



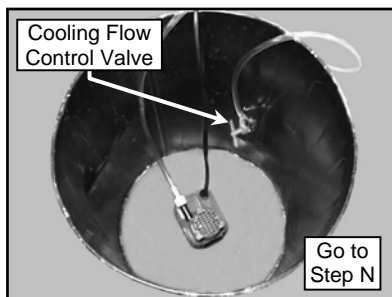
(J)
Check the Intake Fitting for obstructions; Rod the Intake Fitting using a stiff wire to remove any obstructions



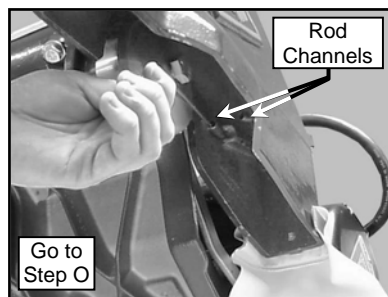
(K)
Install the Intake Fitting onto the Cooling Transfer Tube and check flow (See Step C)



(L)
Using a 9/16-inch wrench, remove the Flow Control Valve from the Blade Guard



(M)
Attach the Flow Control Valve to the Intake Fitting and check flow (See Step C)

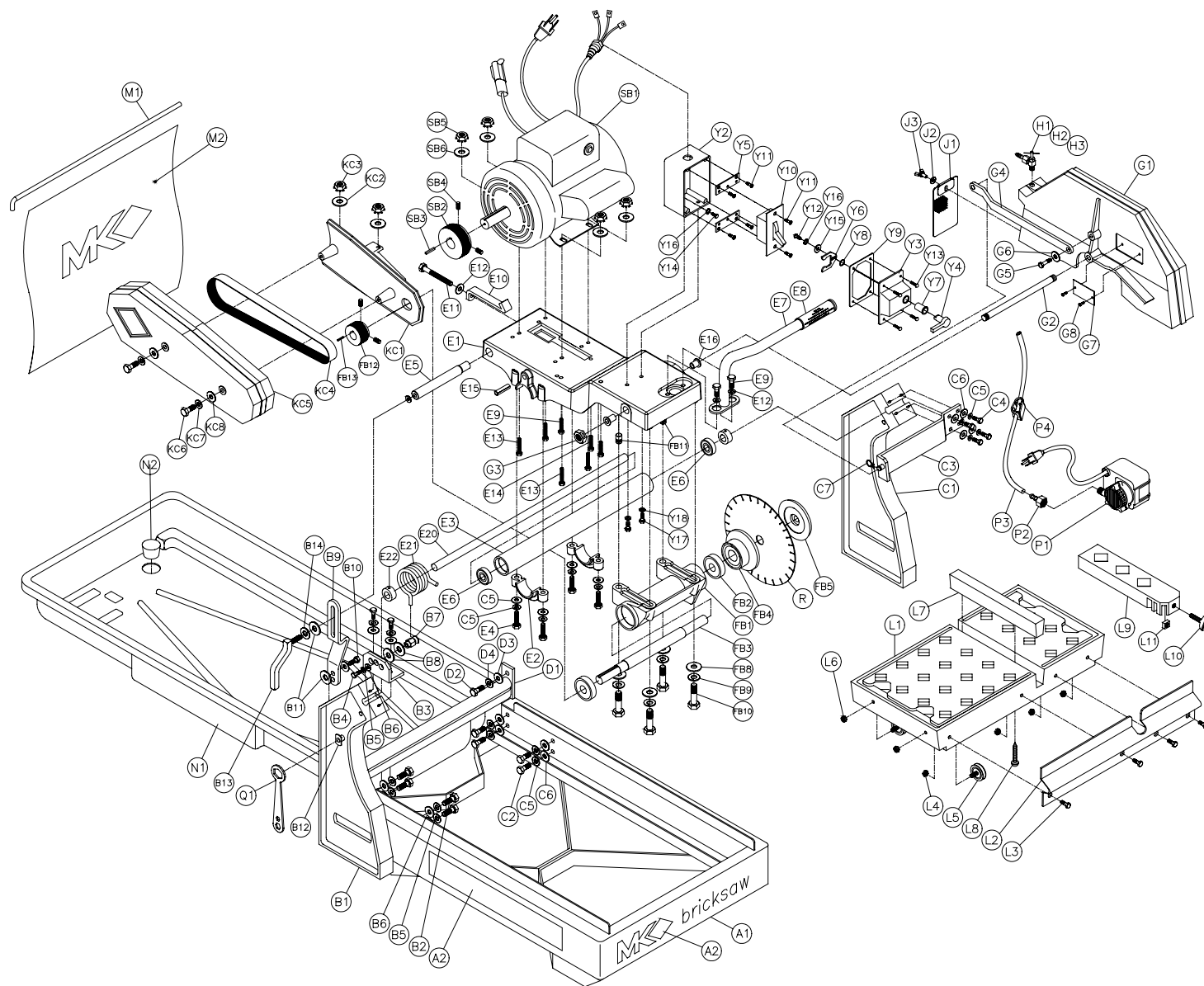


(N)
Rod Cooling Channels and recheck flow; if after performing Steps A to N flow still does not exist, go to Step O

**Return to
MK Diamond
for Repair**

(O)
Return to MK Diamond

EXPLODED VIEW AND PARTS LIST



EXPLODED VIEW AND PARTS LIST

PARTS LIST:

Item	Description	Qty	Part #
A	Assembly, Frame, MK2000 Bricksaw	1	n/a
A1	Frame, MK-2000	1	150595
A2	Decal, MK Bricksaw	3	155230
AA	Assembly, Frame PL2000	1	n/a
AA1	Frame, PL-2000	1	
AA2	Decal, Private Label	1	
AB	Assembly, Frame PL2000-HD	1	n/a
AB1	Frame, DP 2001/2002	1	150595-DP
B	Assembly, Upright Left MK2000	1	n/a
B1	Casting, Upright Left (Comp)	1	150592
B2	Screw, 5/16-18 x 3/4, Hex Head	6	151369
B3	Bracket, Spring Adjustment	1	150589
B4	Screw, 5/16-18 x 1 Hex Head	3	151743
B5	Washer, 5/16 Split Lock	9	151747
B6	Washer, 5/16 SAE Flat	9	151754
B7	Stud, Spring Retaining	1	153788
B8	Washer, 1/2 SAE Flat	2	150924
B9	Bar, Cutting Head Adjustment	1	150586
B10	Bolt, 3/8-16 x 1-1/2 Hex Head	1	153528
B11	Washer, 3/8 SAE Flat	2	150923
B12	Nut, 3/8-16 Weld TEE	1	153945
B13	Handle, Lock Nut	1	151140
B14	Washer, 3/8 Split Lock	1	150925
B15	Bolt, 3/8-16 x 1 Hex Head (Shipping not shown)	1	152507
B16	Nut, 3/8 Hex (Shipping not shown)	1	101188
BA	Assembly, Upright Left PL2000	1	n/a
BA1	Casting, Upright Left	1	150592
BA2	Screw, 5/16-18 x 3/4, Hex Head	6	151369
BA3	Bracket, Spring Adjustment	1	150589
BA4	Screw, 5/16-18 x 1 Hex Head	3	151743
BA5	Washer, 5/16 Split Lock	9	151747
BA6	Washer, 5/16 SAE Flat	9	151754
BA7	Stud, Spring Retaining	1	153788
BA8	Washer, 1/2 SAE Flat	2	150924
BA9	Bar, Cutting Head Adjustment	1	150586
BA10	Bolt, 3/8-16 x 1-1/2 Hex Head	1	153528
BA11	Washer, 3/8 SAE Flat	1	150923
BA12	Nut, 3/8-16 Weld TEE	1	153945
BA13	Handle, Lock Nut	1	151140
BA14	Washer, 3/8 Split Lock	1	150925
BA15	Bolt, 3/8-16 x 1 Hex Head (Shipping not shown)	1	152507
BA16	Nut, 3/8 Hex (Shipping not shown)	1	101188

EXPLODED VIEW AND PARTS LIST

BB	Assembly, Upright Left DP-2000	1	n/a
BB1	Casting, Upright Left	1	150592-DP
BB2	Screw, 5/16-18 x 3/4, Hex Head	6	151369
BB3	Bracket, Spring Adjustment	1	150589
BB4	Screw, 5/16-18 x 1 Hex Head	3	151743
BB5	Washer, 5/16 Split Lock	9	151747
BB6	Washer, 5/16 SAE Flat	9	151754
BB7	Stud, Spring Retaining	1	153788
BB8	Washer, 1/2 SAE Flat	2	150924
BB9	Bar, Cutting Head Adjustment	1	150586
BB10	Bolt, 3/8-16 x 1-1/2 Hex Head	1	153528
BB11	Washer, 3/8 SAE Flat	2	150923
BB12	Nut, 3/8-16 Weld TEE	1	153945
BB13	Handle, Lock Nut	1	151140
BB14	Washer, 3/8 Split Lock	1	150925
BB15	Bolt, 3/8-16 x 1 Hex Head (Shipping not shown)	1	152507
BB16	Nut, 3/8 Hex (Shipping not shown)	1	101188
C	Assembly, Upright Right MK2000	1	n/a
C1	Casting, Upright Right	1	150593
C2	Screw, 5/16-18 x 3/4, Hex Head	6	151369
C3	Bracket, Blade Guard	1	150582
C4	Bolt, 5/16-18 x 1 Hex Head	4	151743
C5	Washer, 5/16 Split Lock	10	151747
C6	Washer, 5/16 SAE Flat	10	151754
C7	Clip, Hairpin 1/4 Shaft	1	153953
CA	Assembly, Upright Right PL2000	1	n/a
CA1	Casting, Upright Right	1	150593
CA2	Screw, 5/16-18 x 3/4, Hex Head	6	151369
CA3	Bracket, Blade Guard	1	150582
CA4	Bolt, 5/16-18 x 1 Hex Head	4	151743
CA5	Washer, 5/16 Split Lock	10	151747
CA6	Washer, 5/16 SAE Flat	10	151754
CA7	Clip, Hairpin 1/4 Shaft	1	153953
CB	Assembly, Upright Right DP-2001	1	n/a
CB1	Casting, Upright Right	1	150593-DP
CB2	Screw, 5/16-18 x 3/4, Hex Head	6	151369
CB3	Bracket, Blade Guard	1	150582
CB4	Bolt, 5/16-18 x 1 Hex Head	4	151743
CB5	Washer, 5/16 Split Lock	10	151747
CB6	Washer, 5/16 SAE Flat	10	151754
CB7	Clip, Hairpin 1/4 Shaft	1	153953
D	Assembly, Crossbar Support	1	n/a
D1	Corssbar, Support	1	150594
D2	Bolt, 5/16-18X1 Hex Hd	4	151743

EXPLODED VIEW AND PARTS LIST

D3	Washer, 5/16 SAE Flat	4	151754
D4	Washer, 5/16 Split	4	151747
DA	Assembly, Crossbar Support DP-2001	1	n/a
DA1	Corssbar, Support	1	150594-DP
DA2	Bolt, 5/16-18X1 Hex Hd	4	151743
DA3	Washer, 5/16 SAE Flat	4	151754
DA4	Washer, 5/16 Split	4	151747
E	Assembly, Cutting Head MK2000	1	n/a
E1	Head, Brick Saw, Die Cast, Motor Mounting	1	160346
E2	Clamp, Brick Saw Die Cast Motor Mounting Head	2	160397
E3	Housing, Pivot Shaft	1	157979
E4	Screw, 5/16-18 x 2 1/2, Hex Head Tap	4	151748
E5	Shaft, Threaded	1	150585
E6	Bearing, Pivot Shaft	2	140004
E7	Handle	1	139931
E8	Grip, Handle	1	139949
E9	Screw, 3/8-16 x 3/4, Hex Head Cap	2	152507
E10	Strap, Motor Adjustment	1	150584
E11	Screw, 3/8-16 x 3 1/2 Hex Head Cap	1	153147
E12	Washer, 3/8 SAE Flat	1	150923
E13	Screw, 5/16-18 x 1 3/4, Hex Head Cap	4	160948
E14	Screw, 5/16-18 x 2" Hex Head Tap	1	157938
E15	Pin, Split Wrist	1	151358
E16	Bushing, Plastic	2	156441
E17	Label, Caution, Owners Manual 4 x 1 1/4	1	155576
E18	Label, Caution, Overtension of Belts	1	155583
E19	Washer, 3/8 Split Lock	2	150925
E20	Motor Mount, Pivot Shaft	1	154147
E21	Spring, Torsion Pivot Shaft	1	150587
E22	Collar, Pivot Shaft	2	140012
EA	Assembly, Cutting Head PL2000	1	n/a
EA1	Head, Brick Saw, Die Cast, Motor Mounting	1	160346
EA2	Clamp, Brick Saw Die Cast Motor Mounting Head (comp) Clamp, Brick Saw Die Cast Motor Mounting Head (raw)	2 1	160397 160347
EA3	Housing, Pivot Shaft	1	157979
EA4	Screw, 5/16-18 x 2 1/2, Hex Head Tap	4	151748
EA5	Shaft, Threaded	1	150585
EA6	Bearing, Pivot Shaft	2	140004
EA7	Handle	1	139931
EA8	Grip, Handle	1	139949
EA9	Screw, 3/8-16 x 3/4, Hex Head Cap	2	152507
EA10	Strap, Motor Adjustment	1	150584
EA11	Screw, 3/8-16 x 3 1/2 Hex Head Cap	1	153147
EA12	Washer, 3/8 SAE Flat	1	150923
EA13	Screw, 5/16-18 x 1 3/4, Hex Head Cap	4	160948

EXPLODED VIEW AND PARTS LIST

EA14	Screw, 5/16-18 x 2" Hex Head Tap	1	157938
EA15	Pin, Split Wrist	1	151358
EA16	Bushing, Plastic	2	156441
EA17	Label, Caution, Owners Manual 4 x 1 1/4	1	155576
EA18	Label, Caution, Overtension of Belts	1	155583
EA19	Washer, 3/8 Split Lock	2	150925
EA20	Motor Mount, Pivot Shaft	1	154147
EA21	Spring, Torsion Pivot Shaft	1	150587
EA22	Collar, Pivot Shaft	2	140012
EB	Assembly, Cutting Head DP-2001	1	n/a
EB1	Head, Brick Saw, Die Cast, Motor Mounting	1	160346-OR
EB2	Clamp, Brick Saw Die Cast Motor Mounting Head	2	160397-OR
EB3	Housing, Pivot Shaft	1	157979
EB4	Screw, 5/16-18 x 2 1/2, Hex Head Tap	4	151748
EB5	Shaft, Threaded	1	150585
EB6	Bearing, Pivot Shaft	2	140004
EB7	Handle	1	139931
EB8	Grip, Handle	1	139949
EB9	Screw, 3/8-16 x 3/4, Hex Head Cap	2	152507
EB10	Strap, Motor Adjustment	1	150584
EB11	Screw, 3/8-16 x 3 1/2 Hex Head Cap	1	153147
EB12	Washer, 3/8 SAE Flat	1	150923
EB13	Screw, 5/16-18 x 1 3/4, Hex Head Cap	4	160948
EB14	Screw, 5/16-18 x 2" Hex Head Tap	1	157938
EB15	Pin, Split Wrist	1	151358
EB16	Bushing, Plastic	2	156441
EB17	Label, Caution, Owners Manual 4 x 1 1/4	1	155576
EB18	Label, Caution, Overtension of Belts	1	155583
EB19	Washer, 3/8 Split Lock	2	150925
EB20	Motor Mount, Pivot Shaft	1	154147
EB21	Spring, Torsion Pivot Shaft	1	150587
EB22	Collar, Pivot Shaft	2	140012
F	Assembly, Blade Shaft MK2000	1	154636
F1	Casting, Blade Shaft-Arbor, Complete	1	153791
F2	Bearing, Blade Shaft MK-2000, 5000	2	154594
F3	Shaft, Blade	1	154639
F4	Flange, Inner Steel, 12L14 3-5/8 Diameter	1 .08'	154640 154260
F5	Flange, Outer 14 Inch M-Saw Steel, 12L14 3-5/8 Diameter	1 .16'	132290 154260
F6	Screw, 1/2-20 x 1-1/4, Hex Head	1	152122
F7	Pin, Arbor Alignment	2	153946
F8	Screw, 5/16-18 x 2-1/2	4	101675
F9	Washer, 5/16 Split Lock	4	151747
F10	Washer, 5/16 SAE Flat	4	151754
F11	Pulley, 1 Groove 2-1/2OD x 3/4 ID	1	133140

EXPLODED VIEW AND PARTS LIST

F12	Screw, 5/16-18 x 1/4 Set Cup Point	1	152607
F13	Key, 1-1/8 x 3/16	1	157561
FA	Assembly, Blade Shaft PL2000	1	154636
FA1	Casting, Blade Shaft-Arbor, Complete	1	153791
FA2	Bearing, Blade Shaft MK-2000, 5000	2	154594
FA3	Shaft, Blade	1	154639
FA4	Flange, Inner	1	154640
FA5	Flange, Outer 14 Inch M-Saw	1	132290
FA6	Screw, 1/2-20 x 1-1/4, Hex Head	1	152122
FA7	Pin, Arbor Alignment	2	153946
FA8	Screw, 5/16-18 x 2-1/2	4	101675
FA9	Washer, 5/16 Split Lock	4	151747
FA10	Washer, 5/16 SAE Flat	4	151754
FA11	Pulley, 1 Groove 2-1/2OD x 3/4 ID	1	133140
FA12	Screw, 5/16-18 x 1/4 Set Cup Point	1	152607
FA13	Key, 1-1/8 x 3/16	1	157561
FB	Assembly, Blade Shaft (elec) 1725rpm	1	n/a
FB1	Blade Shaft-Arbor	1	154637
FB2	Bearing, Blade Shaft	2	154594
FB3	Shaft, Arbor	1	154639
FB4	Flange, Inner	1	154640
FB5	Flange, Outer 14 Inch M-Saw	1	132290
FB6	Screw, 1/2-20 x 1-1/4, Hex Head Cap	1	152122
FB8	Washer, 5/16 Split Lock	4	151747
FB9	Washer, 5/16 SAE Flat	4	151754
FB10	Screw, 5/16-18 x 2-1/4,	4	153951
FB11	Pin, Arbor Alignment	2	153946
FB12	Pulley, 10J19 X .75 Bore	1	160950
FB13	Key, 1-1/8 X 3/16	1	150344
G	Assembly, Blade Guard MK2000	1	n/a
G1	Casting, Blade Guard	1	150579
G2	Stud, Blade Guard	1	150581
G3	Nut, 1/2-13 Hex	1	153943
G4	Bar, Adjustment Blade Guard	1	150580
G5	Screw, 3/8-16 x 1 Hex Head Cap	1	152507
G6	Washer, 3/8 SAE Flat	1	150923
G7	Tag, Serial Number, Blank	1	157500
G8	Drive Screw, Round Head, #7 x 5/16	2	157849
GA	Assembly, Blade Guard PL2000	1	n/a
GA1	Casting, Blade Guard	1	150579
GA2	Stud, Blade Guard	1	150581
GA3	Nut, 1/2-13 Hex	1	153943
GA4	Bar, Adjustment Blade Guard	1	150580
GA5	Screw, 3/8-16 x 1 Hex Head Cap	1	152507

EXPLODED VIEW AND PARTS LIST

GA6	Washer, 3/8 SAE Flat	1	150923
GB	Assembly, Blade Guard DP-2000	1	n/a
GB1	Casting, Blade Guard	1	150579-DP
GB2	Stud, Blade Guard	1	150581
GB3	Nut, 1/2-13 Hex	1	153943
GB4	Bar, Adjustment Blade Guard	1	150580
GB5	Screw, 3/8-16 x 1 Hex Head Cap	1	152507
GB6	Washer, 3/8 SAE Flat	1	150923
H	Assembly, Water Control Valve	1	152785
H1	Valve, 1/4 Needle	1	152695
H2	Elbow, 1/4 Street	1	154652
H3	Flare, 1/4 Flare x 1/4 BARB Swivel	1	152694
J	Assembly, Splash Guard	1	n/a
J1	Curtain, Blade Guard MK-2000	1	152417
J2	Bracket, Water Curtain MK-2000	1	152723
J3	Screw, 1/4-20 x 1/2, Hex Head	1	152608
J4	Washer, 1/4 SAE Flat	1	151915
K	Assembly, Belt Guard MK2000	1	n/a
K1	Casting, Belt Guard Outer	1	150591
K2	Casting, Belt Guard Inner	1	150590
K3	Belt, V AX-32, Bricksaw	1	151723
K4	Screw, 5/16-18 x 1-3/4 Hex Hd Cap	2	150919
K5	Kep Nut, 5/16-18, Hex Head	2	153942
K6	Washer, 5/16 SAE Flat	4	151754
KA	Assembly, Belt Guard PL2000	1	n/a
KA1	Casting, Belt Guard Outer	1	150591
KA2	Casting, Belt Guard Inner	1	150590
KA3	Belt, V AX-32, Bricksaw	1	151723
KA4	Screw, 5/16-18 x 1-3/4 Hex Hd Cap	2	150919
KA5	Kepnut, 5/16-18, Hex Head	2	153942
KA6	Washer, 5/16 SAE Flat	4	151754
KB	Assembly, Belt Guard DP-2001	1	n/a
KB1	Casting, Belt Guard Outer	1	150591-DP
KB2	Casting, Belt Guard Inner	1	150590-DP
KB3	Belt, V AX-32, Bricksaw	1	151723
KB4	Screw, 5/16-18 x 1-3/4 Hex Hd Cap	2	150919
KB5	Kep Nut, 5/16-18, Hex Head	2	153942
KB6	Washer, 5/16 SAE Flat	4	151754
KC	Assembly, Belt Guard (1725rpm)	1	n/a
KC1	Belt Guard Inner	1	150590

EXPLODED VIEW AND PARTS LIST

KC2	Washer, 3/8 SAE Flat	2	150923
KC3	Nut, 5/16-18 Hex (w/ external tooth washer)	2	153942
KC4	Belt, Poly-V 10340J	1	160952
KC5	Belt Guard Outer	1	158867
KC6	Screw, 5/16-18 x 1 3/4, Hex Head Cap	2	150919
KC7	Washer, 5/16 Lock Split	2	151747
KC8	Washer, 5/16 SAE Flat	2	151754
KC9	Caution, Guard Removal 3 x 1 1/2	1	155587
KD	Assembly, Belt Guard (1725rpm)	1	n/a
KD1	Belt Guard Inner	1	150590-DP
KD2	Washer, 3/8 SAE Flat	2	150923
KD3	Nut, 5/16-18 Hex (w/ external tooth washer)	2	153942
KD4	Belt, Poly-V 10340J	1	160952
KD5	Belt Guard Outer	1	158867
KD6	Screw, 5/16-18 x 1 3/4, Hex Head Cap	2	150919
KD7	Washer, 5/16 Lock Split	2	151747
KD8	Washer, 5/16 SAE Flat	2	151754
KD9	Caution, Guard Removal 3 x 1 1/2	1	155587
L	Assembly, Table MK2000	1	133082
L1	Casting, Table MK-2000	1	158144
L2	Stop-Rule, Table MK-2000	1	134387
L3	Screw, 1/4-20 x 3/4 Hex Head	4	152370
L4	Nut, 1/4-20, Hex with Washer	4	153941
L5	Wheel, Roller MK-2000 Bricksaw	4	133090
L6	Nut, 5/16-18 hex	4	153942
L7	Wood Strip, Table Insert	1	158283
L8	Screw, Pan HD Phil. #8 x 1	2	151047
L9	Casting, Squaring Arm MK2000	1	231276
L10	Screw, 15/16-18 x 1-1/2, Thumb	1	151155
L11	Nut, 5/16-18, Square	1	151156
LA	Assembly, Table DP-2001	1	133082-DP
LA1	Casting, Table DP-2001	1	158144-DP
LA2	Stop-Rule, Table MK-2000	1	134387
LA3	Screw, 1/4-20 x 3/4 Hex Head	4	152370
LA4	Nut, 1/4-20, Hex with Washer	4	153941
LA5	Wheel, Roller MK-2000 Bricksaw	4	133090
LA6	Nut, 5/16-18 hex	4	153942
LA7	Wood Strip, Table Insert	1	158283
LA8	Screw, Pan HD Phil. #8 x 1	2	151047
LA9	Casting, Squaring Arm MK2000	1	231276
LA10	Screw, 15/16-18 x 1-1/2, Thumb	1	151155
LA11	Nut, 5/16-18, Square	1	151156
M	Assembly, Curtain MK Logo	1	n/a
M1	Rod, Splash Curtain	1	153956

EXPLODED VIEW AND PARTS LIST

M2	Curtain, Rear MK-2000	1	160972
MA	Assembly, Curtain Plain	1	n/a
MA1	Rod, Splash Curtain	1	153956
MA2	Curtain, Rear Plain	1	160972
MB	Assembly, Curtain, Home Depot	1	n/a
MB1	Rod, Splash Curtain	1	153956
MB2	Curtain, Rear MK2000 no logo	1	152569
N	Assembly, Pan	1	
N1	Pan, Plastic MK-2000	1	150308
N2	Plug, Rubber Drain Without Hole	1	153439
P	Assembly, Pump Electric	1	n/a
P1	Pump, Water G-150A	1	151271
P2	Fitting, Plastic 1/4 FNPT X 1/4 BARB	1	128397
P3	Hose, Vinyl 1/4 ID	3'	132951
P4	Clamp, Flow 1/4-1/2	1	154394
P5	Owner's Manual, Water Pump G-150A	1	155745
P6	Carton, Water Pump G-150A	1	154016
P7	Insert, Foam Water Pump G-150A	1	154017
Q	Assembly, Accessory Pack	1	n/a
Q1	Wrench, Masonry Saw	1	134056
Q2	Label, MK Bricksaw 12-1/2 x 1-3/4	1	155230
Q3	Carton, Accessory MK-2000	1	153575
Q4	Insert, Accessory MK-2000	1	153576
Q4	Sell Sheet, Tile Accessory	1	156915
Q5	Blade, MK-BX30	1	157944
Q6	Owners Manual, MK-2001 and MK-2002	1	156402
Q7	Card, Warranty Rental	1	155666
Q8	Cord, GFCI 20A W/ Twist Lock	1	155430
Q9	Cord, Extension L5-15 X 25'	1	158111
R	Assembly, Carton	1	n/a
R1	Carton, Bricksaw	1	151941
R2	Pallet, MK-2000	1	153758
R3	Carton, Insert Bricksaw	2	151943
S	Assembly, Mtr 115/230v 60 Hz 1 Ph 1.5 Hp		n/a
S1	Motor, 115/230v 60 Hz 1.5 Hp	1	231082
	a Receptacle, 20 Amp 115 volt	1	154621
	b Switch, Voltage Change	1	150577
	c Switch, Thermal Overload (TPMISJ24AB)	1	153503
	d Box, Switch Bricksaw	1	139758
	e Switch, On/Off 30 Amps/250 volts	1	139741
	f Cover, Switch Box Bricksaw	1	139766

EXPLODED VIEW AND PARTS LIST

	g Screw, 10-32 x 1/4, Slotted Round Head Machine	4	231090
	h Plug, Twist Lock 20 Amp 125 volt (NEMAL520P)	1	154556
	i Cord Connectors, 1/2 Appleton (CG5050)	1	151307
	j Capacitor, HSG	1	150574
	k Capacitor, Oil MK2000 (OC3020F12)	1	152412
S2	Pulley, 1 Groove, 2-1/4 x 5/8, AK22	1	133157
S3	Key, 1-1/8 x 3/16	1	157561
S4	Screw, 5/16-18 x 1/4 Set Cup Point	1	152607
S5	Kep Nut, 5/16-18, Hex Head	4	153942
S6	Washer, 5/16 SAE Flat	4	151754
S7	Screw, 1/4-20 x 1 Hex Head	2	152676
S8	Nut, Hex, 10-24	1	151749
S9	Screw, Fil HD Slot, 10-24X1	1	151751
SA	Assembly, Mtr 110/220v 1 Ph 50 Hz 1.5 Hp		n/a
SA1	Motor, 115/230v 50 Hz 1.5 Hp	1	151184
	a) Receptacle, 20 Amp 115 volt	1	154621
	b) Switch, Voltage Change	1	150577
	c) Switch, Thermal Overload (TPMISJ24AB)	1	153503
	d) Box, Switch Bricksaw	1	139758
	e) Switch, On/Off 30 Amps/250 volts	1	139741
	f) Cover, Switch Box Bricksaw	1	139766
	g) Screw, 10-32 x 1/4, Slotted Round Head Machine	4	231090
	h) Plug, Twist Lock 20 Amp 125 volt (NEMAL520P)	1	154556
	i) Cord Connectors, 1/2 Appleton (CG5050)	1	151307
	j) Capacitor, HSG	1	150574
	k) Capacitor, Oil MK2000 (OC3020F12)	1	152412
SA2	Pulley, 1 Groove, 2-1/4 x 5/8, AK22	1	133157
SA3	Key, 1-1/8 x 3/16	1	157561
SA4	Screw, 5/16-18 x 1/4 Set Cup Point	1	152607
SA5	Kep Nut, 5/16-18, Hex Head	4	153942
SA6	Washer, 5/16 SAE Flat	4	151754
SA7	Screw, 1/4-20 x 1 Hex Head	2	152676
SB	Assembly, Mtr 115v 60 Hz 1 Ph 1.5 Hp (1725rpm)		n/a
SB1	Motor, 115v 60 Hz 1.5 Hp (1725 rpm)	1	161099
SB2	Pulley, 10J28 X 5/8 Bore	1	160949
	Screw, 5/16-18 x 3/8 Set	2	152676
SB3	Key, 1-1/8 X 3/16	1	150344
SB4	Screw, 5/16-18 x 1/4 Set Cup Point	1	152607
SB5	Kep Nut, 5/16-18, Hex Head	4	153942
SB6	Washer, 5/16 SAE Flat	4	151754
SB7	Screw, 1/4-20 x 1 Hex Head	2	152676
SB8	Label, Warning, Cord Selection 2 3/4 x 2 1/2	1	155672
SB9	Label, Caution, GFCI, 1 X 2 1/8	1	155678
SB10	Label, Caution, .6 Amp Max. 1 X 2-1/8	1	154822
SB11	Label, Motor, Cool Push 1 x 5/8	1	154409

EXPLODED VIEW AND PARTS LIST

Y1	Assembly, 30amp Switch Box	-	161101
Y2	Box, Top Entry, 30A Switch (Comp)	1	159487
	Box, 30A Switch (Raw)	1	158794
Y3	Cover, 30A Switch Box (Comp)	1	159539
	Cover, 30A Switch Box (Raw)	1	158795
Y4	Lever, Actuator, 30A Switch Box (Comp)	1	159540
	Lever, Actuator, 30A Switch Box (Raw)	1	158796
Y5	Plate, Mounting, 30A Switch	2	159489
Y6	Lever, On/Off, 30A Switch Box	1	159490
Y7	Bushing, Nylon, 30A Switch Box	1	158799
Y8	Seal, Urethane, 30A Switch Box	1	159492
Y9	Gasket, 30A Switch Box	1	159491
Y10	Switch, 30A/2HP/120V/DPST	1	159488
Y11	Screw, 6-32 X 5/16 Flat Head Phillips Machine	6	159493
Y12	Screw, 10-24 X 5/16 Pan Head Phillips Machine	1	159494
Y13	Screw, 6-32 X 5/8 Pan Head Phillips Machine	4	157393
Y14	Screw, 10-24 X 5/16 Slotted Hex Washer Head Grounding	1	159597
Y15	Washer, #10 SAE Flat	1	154369
Y16	Washer, #10 Lock, Internal Teeth	1	158336
Y17	Screw, 1/4-20 x 3/4 Hex Head Cap	2	152370
Y18	Washer, 1/4 Split Lock	2	152591
Y19	Connector, Liquid Tight Cord	1	159582

THEORY

THEORY OF DIAMOND BLADES:

Diamond blades do not really cut; they grind the material through friction. Diamond crystals, often visible at the leading edge and sides of the rim/segment, remove material by scratching out particles of hard, dense materials, or by knocking out larger particles of loosely bonded abrasive material. This process eventually cracks or fractures the diamond particle, breaking it down into smaller pieces. As a result, a diamond blade for cutting soft, abrasive material must have a hard metal matrix composition to resist this erosion long enough for the exposed diamonds to be properly utilized. Conversely, a blade for cutting a hard, non-abrasive material must have a soft bond to ensure that it will erode and expose the diamonds embedded in the matrix. These simple principles are the foundation of “controlled bond erosion”.



Types of Cutting:

There are two basic types of cutting-Dry or Wet. The choice of which type of blade to use depends on:

- The requirements of the job
- The machine/tool utilizing the diamond blade
- The preference of the operator

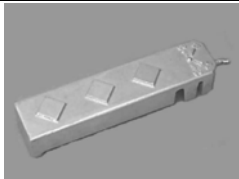

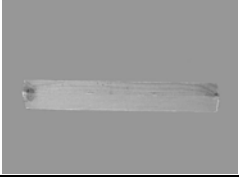

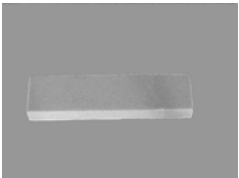

In the case of DRY cutting, the overwhelming popularity and quantity of hand-held saws and the flexible nature of MK Diamond blades to professionally handle most ceramic, masonry, stone and concrete materials, make the DRY cutting blade a very attractive tool. When using a DRY blade, the user must be aware of distinct operating practices to ensure optimum performance. DRY cutting blades require sufficient airflow about the blade to prevent overheating of the steel core. This is best accomplished by shallow, intermittent cuts of the material with periods of “free-spinning” (for several seconds) between each cut, to maximize the cooling process.

For WET cutting applications, MK has the exact blade to compliment both the material to be cut and the wet cutting machine to be used. During cutting operations, liberal amounts of water act as a coolant to support the cutting effectiveness and longevity of the WET blade. Additionally, using water adds to the overall safety of cutting operations by keeping the dust signature down.

Know All You Can About the Material You Wish to Cut

ACCESSORIES

ACCESSORIES:

ITEM	NUMBER	DESCRIPTION	
1.	132332	Adjustable Cutting Guide	
2.	133090	Roller Wheel	
3.	156427	Protective Wooden Strip	
4.	158194	V Belt	
5.	152792	Dressing Stick	
6.	153439	Rubber Drain Plug	

ORDERING and RETURN INFORMATION

ORDERING INFORMATION:

You may order MK Diamond products through your local MK Diamond distributor or, you may order direct from MK Diamond.

NOTE: There is a \$25.00 minimum order when ordering direct from MK Diamond. All purchases must be made using VISA or MasterCard.

When ordering direct from MK Diamond, please have the following information ready before calling:

- The Model Number of the saw
- The Serial Number of the saw
- Where the saw was purchased and when
- The Part Number for the part(s) being ordered
- The Part Description for the part(s) being ordered

All parts may be ordered by calling toll free to – **800 421-5830** or **310 539-5221** and asking for Customer Service. For technical questions, call – **800 474-5594**.

RETURN MATERIALS POLICY:

To expedite the service relative to the return of a product purchased through MK Diamond, please observe the following:

NOTE: When returning all items, they must have been purchased within the previous twelve (12) months.

- Have the Model Number of the saw
- Have the Serial Number of the saw
- Have the location of where the saw was purchased
- Have the date when the saw was purchased
- Contact Customer Service for approval to return the item(s)
- Obtain a Returned Goods Number (RGA) authorizing the return
- Follow the packaging instructions in the following section
- Ensure your item(s) are prepaid to the destination

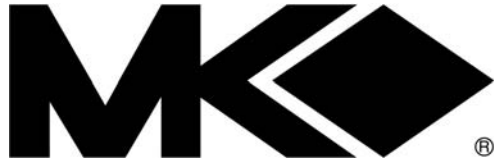
For returned items, call toll free to – **800 421-5830** or **310 539-5221** and ask for Customer Service. For technical questions, call – **800 474-5594** or **310 257-2845**.

PACKAGING INSTRUCTIONS:

- Remove the Blade guard and Support Angle Assembly
- Dry the saw before shipping
- When packing, include the following: MK-2000, Diamond Blade, Blade guard and Support Angle Assembly and Adjustable Cutting Guide (Other Accessories are not required)
- Package the unit in its original container or one of comparable size (do not ship the unit partially exposed)
- Ensure all parts are secured in the packaging to prevent moving

AUTHORIZED SERVICE CENTERS:

For quicker repair time, you may contact MK Diamond Customer Service, toll free, at – **800 421-5830** or **310 539-5221** for the Authorized Service Center closest too you. For technical questions, call – **800 474-5594**.



MK-2000 SERIES

BRICK SAW OWNER'S MANUAL & OPERATING INSTRUCTIONS

CALIFORNIA PROPOSITION 65 MESSAGE:

⚠ WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains 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 and cement and other masonry products and
- Arsenic and chromium, from chemically treated lumber

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 those dust masks that are specially designed to filter out microscopic particles.

MK DIAMOND PRODUCTS, INC
1315 STORM PARKWAY, TORRANCE, CA 90509-2803
310 539 5158