

TILE SAW
OWNER'S MANUAL &
OPERATING INSTRUCTIONS

# **A** CAUTION

READ SAFETY
AND GENERAL
INSTRUCTIONS
CAREFULLY
BEFORE USING
SAW FOR THE
FIRST TIME

#### SERIAL NUMBER

YOU SHOULD RECORD THE SERIAL NUMBER OF YOUR SAW ON THIS OWNER'S MANUAL AND ON THE WARRANTY CARD, WHICH MUST BE SENT IN TO BE EFFECTIVE. BE SURE TO INCLUDE ALL PERTINENT INFORMATION REQUIRED.

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

#### SAFETY INSTRUCTIONS FOR THE MK-770 EXP TILE SAW

Congratulations on your purchase of a MK-770 EXP Tile Saw. We are certain that you will be pleased with your purchase. MK Diamond takes pride in producing the finest construction power tools and diamond blades in the industry.

Operated correctly, your MK-770 EXP should provide you with years of service. In order to help you, we have included this manual. This owners manual contains information necessary to operate and maintain your MK-770 EXP safely and correctly. Please take a few minutes to familiarize yourself with the MK-770 EXP by reading and reviewing this manual.

If you should have questions concerning your MK-770 EXP, please feel free to call our friendly customer service department at: 800 421-5830

Regards,

MK Diamond

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#### 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:**

#### READ OWNERS MANUAL BEFORE USE



Before using this equipment, ensure that the person operating this machine has read and understands all of the instructions in the manual. Precaution is the best insurance against accidents. Read and understand all safety precautions, messages, warnings and hazard symbols. You are responsible for your own safety.

# **KEEP GUARDS IN PLACE**



Adhere to safety guidelines: ANSI American National Standards Institute, OHSA, or local Regulations. Never operate the saw with out the guards in place!

#### REMOVE ADJUSTING KEYS AND WRENCHES

Form a habit of checking to see that keys and adjusting wrenches are removed from the power tool before it is turned on.

# **KEEP WORK AREA CLEAN**

Cluttered work areas and benches invite accidents.

# DO NOT USE IN DANGEROUS PLACES

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

# **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.

### **A** DO NOT FORCE THE TOOL

A power tool will do a job better and safer operating at the rate for which it was designed.

# **A** USE THE RIGHT TOOL

Do not force a tool or an attachment, to do a job that it was not designed to do.

# **M** USE THE PROPER EXTENSION CORD

If using an extension cord make sure it is in good condition. When using an extension cord, be sure to use one heavy enough to carry the electric current your product will draw. An undersized extension cord will cause a drop in line voltage that will result in a loss of power and overheating. TABLE 1, Page 9 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.

#### **A** USE PROPER APPAREL

Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry that may be caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.

#### 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.

# **A** 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.

# A 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 START



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

# **A** USE RECOMMENDED ACCESSORIES

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

# A 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.

#### **A** 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 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.

#### **CALIFORNIA PROPOSITION 65 MESSAGE:**

MARNING 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/silicarystalline/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.

#### **Hazard Symbols:**

# A

#### **Electrical Shock!**



Never touch electrical wires or components while the engine is running. They can be sources of electrical shock which could cause severe injury or burns.

# ⚠ Rotating Parts!



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

# A

#### Over Speed!



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

A 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

#### **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**



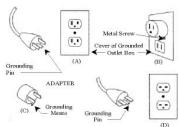
In case of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that 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-pole receptacle as shown in Sketch B, if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box.

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

#### 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 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.

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.

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.

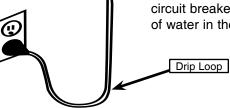


FIGURE 2

#### **A** 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 form the extension cord.

#### **WARNING**

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

#### **WARNING**



Use of under size 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.

Extension Cord Minimum Gage for Length				
Volts	Total Length of Cord in Feet			
120 V	25 ft.	50 ft.	100 ft.	150 ft.
	AWG	AWG	AWG	AWG
	14 12 Not Recommended			

TABLE 1

#### **TILE SAW SPECIFIC WARNINGS:**

#### **WARNING**

Wear eye protection.

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

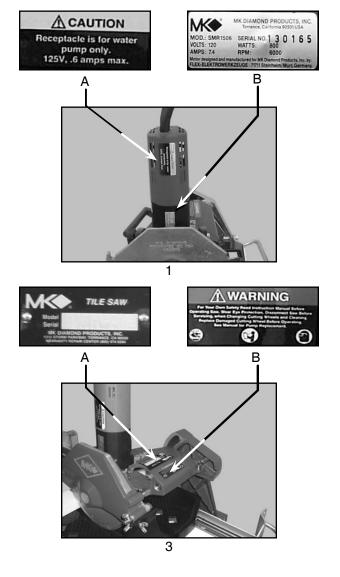
Disconnect saw before servicing, when changing cutting blades, and cleaning.

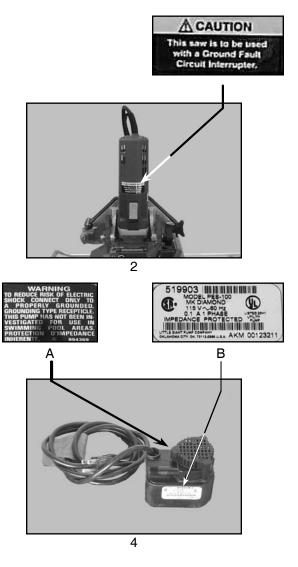
Replace damaged cutting blade before operating.

#### **SAFETY LABEL LOCATIONS**

Safety labels are located according to Figures 1 through 4 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 – Right Side	Caution – Receptacle is for Water Pump Only	154822
1B	Motor – Right Side	Motor Specifications	156428
2	Motor – Left Side	Caution - Use with Ground Fault Circuit Interrupter	155678
ЗА	Cutting Head - Top	MK-770 EXP Serial Number	157249-4
3B	Cutting Head - Top	Warning - Read Owners Manual	155806
4A	Pump – Left Side	Warning – Connect to Grounded Receptacle	N/A
4B	Pump – Right Side	Pump Specifications	N/A





#### PRODUCT SPECIFICATIONS

The MK-770 EXP is a versatile Tile Saw. Operated and used according to this manual, the MK-770 EXP will provide years of dependable service.

#### **General Description**

The MK-770 EXP Tile Saw is engineered as a tabletop or stand mounted wet tile saw. The saw includes a powerful 115V electric motor. The saw is capable of cutting tile up to twenty (20) inches in length. The saw can cut an object one and one-half (1-1/2) inches thick in one pass.

#### **Motor Specifications**

Motor specifications for the MK-770 EXP are listed in Table 2 below.

Voltage	115V
Overall Amperage	7.4 A
Frequency	60Hz
RPM	600 rpm
Horse Power	3/4 hp

Table 2

#### **Blade Capacity:**

The MK-770 EXP uses a 7 (7) inch (178mm) diameter, wet cutting continuous rim, MK Diamond blade with a five-eighths (5/8) inch (15.875 mm) arbor.

#### Tile Types:

The MK-770 EXP can cut a variety of tile types including Porcelain, Terra-cotta, Marble, Quarry and Slate, Ceramic or almost any other non-ferrous material.

**NOTE:** The MK-770 EXP is not designed to cut plastic or ferrous (metals) material.

#### UNPACKING

**CAUTION** Use proper lifting techniques when lifting the MK-770 EXP

If not done, remove the MK-770 EXP, accessory box from the carton.

#### **CONTENTS**

In your container, you will find

- One (1) MK-770 EXP frame and water pan
- One (1) MK-770 EXP cutting head
- One (1) cutting head height adjusting knob
- One (1) height adjusting knob flat washer
- One (1) 7-inch wet cutting continuous rim diamond blade
- 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) inner flange wrench
- One (1) splash guard
- One (1) owners manual
- One (1) pump manual and
- One (1) warranty card



Height Adjusting Knob



Height Adjusting



Knob Flat Washer





Diamond Blade

MK-770 EXP

**Cutting Head** 



Adjustable Cutting Guide



Electric Water Pump



Pump Discharge Fitting



Cooling Transfer Tube



Flow Adjusting Clamp



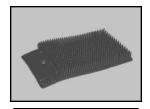
Drain Plug



Blade Nut Wrench



Inner Flange Wrench



Splash Guard



Owners Manual



Pump Manual



Warranty Card

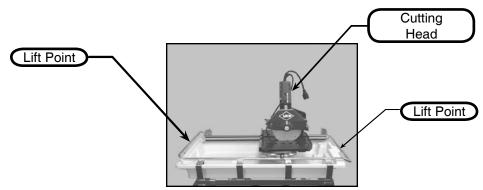
#### TRANSPORT:



- CAUTION 1. The MK-770 EXP weighs approximately forty-six (46) pounds; use care when transporting.
  - 2. Never transport the MK-770 EXP with water in the Water Pan.

The MK-770 EXP is designed with a rigid frame and removable Cutting Head making the saw easily transportable. Always use proper lifting techniques when lifting the MK-770 EXP. Never transport the MK-770 EXP with water in the Water Pan.

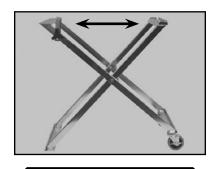
To lift the saw, grasp the front and back of the frame at the lift points shown below.



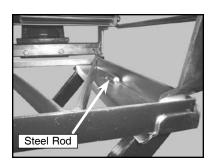
#### **TILE SAW STAND**

- **CAUTION** 1. The MK-770 EXP weighs approximately forty-six (46) pounds; use care when transporting.
  - 2. Never transport the MK-770 EXP with water in the Water Pan.

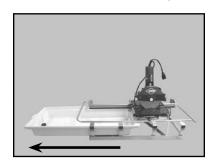
NOTE: If using the MK Diamond, Tile Saw Stand, follow these steps.



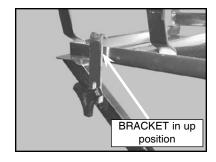
(A) Open the Stand and place on flat surface



(D) Seat Back Side of saw onto stand between wall and steel rod indicator



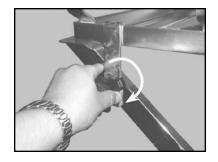
(B) Remove Water Pan



(E) Seat Front Side of saw onto stand and make sure that the BRACKET is in the up position



(C) Orient the Saw to the Stand



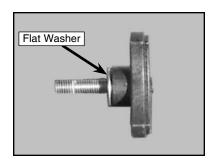
(F) Lock the saw and tight the knob in a clockwise direction. Reinstall the water pan.

#### **ASSEMBLY:**

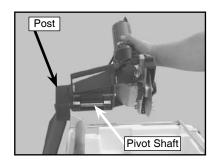
Follow the assembly instructions to prepare your MK-770 EXP for operation.

#### 1. Cutting Head Installation:

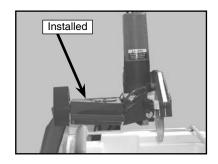
NOTE: If the Cutting Head is installed, go to step 2.



(A)
Place the Flat Washer onto the Height Adjusting Knob



(B)
Align Cutting Head Pivot Hole to the Post, Pivot Shaft



(C)
Verify the Cutting Head is completely installed and seated on the Post



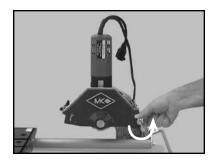
(D)
Install the Height Adjusting
Knob through the Post into
the Cutting Head and tighten
the Knob

#### 2. Diamond Blade Installation:

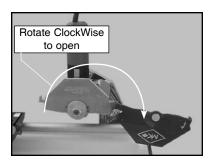
NOTE: When installing the Retaining Screw, do not "cross-thread" and DO NOT over tighten the screw.



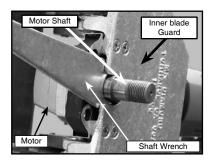
(A)
Loosen and remove the Blade
Guard, Retaining Knob



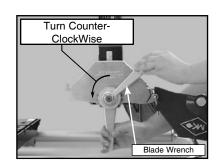
(B)
Loosen the Blade Guard,
Retaining Wing nut



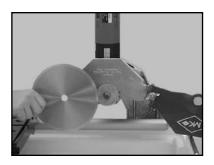
(C) Open the Blade Guard



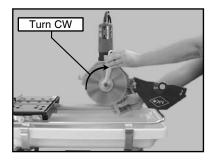
(D)
Place the Shaft Wrench
between the Inner Blade
Guard and the Motor and onto
the Motor Shaft



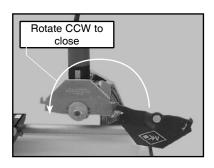
(E)
Using the Blade and Shaft
Wrenches, loosen and remove
the Retaining Nut and Outer
Flange



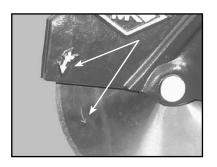
(F)
Install Diamond Blade
onto Blade Shaft



(G)
Install the Retaining Nut and
Outer Flange and then tighten
using the Blade and Shaft
Wrenches



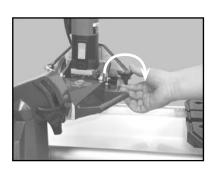
(H) Close the Blade Guard



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



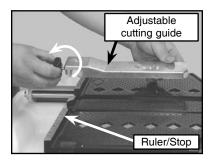
(J)
Tighten the Blade Guard
Retaining, Wing nut



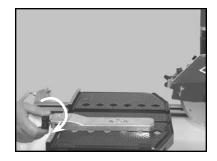
(K) Tighten the Blade Guard, Retaining Knob

#### 3. Adjustable Cutting Guide Installation:

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

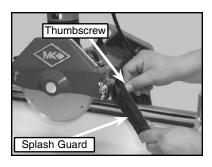


(A)
Loosen Adjustable Cutting Guide
retaining thumbscrew and place it over
the Movable Cutting Table, Ruler/Stop



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

#### 4. Splash Guard Installation

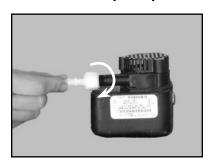


(A)
Install the retaining thumbscrew
through the washer and Splash
Guard then align to the hole found on
back of the Blade Guard

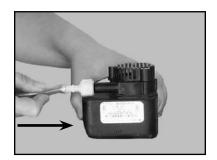


(B)
Install the Splash Guard onto the Blade Guard

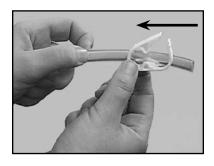
#### 5. Water Pump Preparation:



(A) Install Water Pump Discharge Fitting



(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

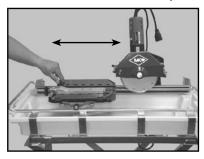
#### **SETUP:**

#### 1. Pre-start Inspection:

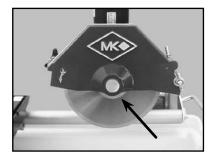
Prior to beginning work, a pre-start inspection of the saw should be performed.



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



(B) Verify the Movable Cutting Table moves freely



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



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



(E) Inspect the MK-770 EXP for damage - ensure the cord is free of cracks or cuts

#### 2. Connecting the Water Pump:

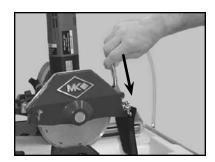


WARNING 1. To prevent the possibility of electrical shock, the MK-770 EXP MUST be de-energized when connecting the Water Pump.

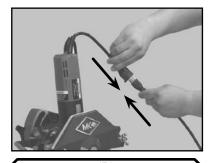


2. To prevent the possibility of electrical shock, use only MK Diamond qualified replacement parts.

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

#### 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) Remove the Drain plug



(B)
Place the Water Pump
In an external container



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



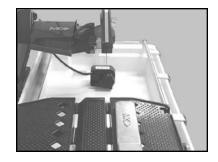
(D)
Place an external catch Basin
below the Water Pan drain
hole

#### II. Re-circulation:

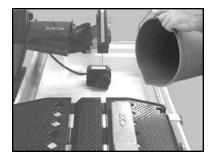
NOTE: When using the re-circulation method, the water should be changed often for longer pump life



(A)
Ensure the Drain Plug is installed in 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

#### 4. MK-770 EXP Setup for Operation

# **A** 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-770 EXP to a power supply, be sure the voltage, cycle and phase of the job site power source meet the requirements of TABLE 3

VOLTAGE	115V
CYCLE	60Hz
PHASE	1-phase

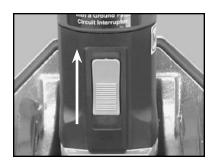
TABLE 3

- 4. Use an approved Ground Fault Circuit Interrupter (GFCI)
- 5. Do not cover the motor vents as this could lead to motor overheating.
- **NOTE:** 1. In order to avoid breaker tripping, a 20-amp circuit breaker should be used.
  - 2. If using an extension power cord, make sure the length and wire gauge correspond to he 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.

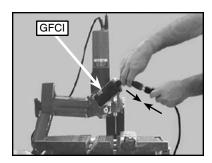
#### Portable Generator:

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

8 kW 120/240 V 66.7/33.3 Amps Single Phase



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



(B) Plug MK-770 EXP into the GFCI

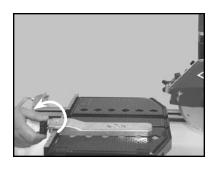


(C)
Plug the GFCI into the Power source

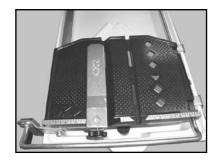
#### **ADJUSTMENT & OPERATION**

#### 1. Cutting Straight Edges:

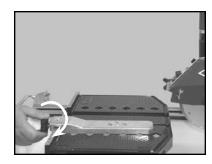
CAUTION DO NOT FORCE THE TOOL. It will do the job better and safer at the rate for which it was designed.



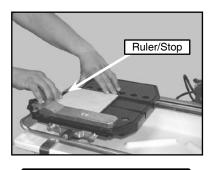
(A) Loosen the Adjustable Cutting Guide retaining thumbscrew



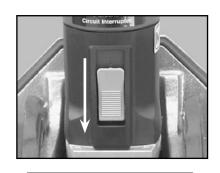
(B) Position the Adjustable Cutting Guide to desired cut length



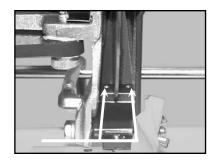
(C) Tighten the retaining thumbscrew



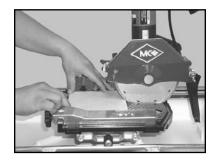
(D) Place the tile against the Ruler/Stop and Cutting Guide



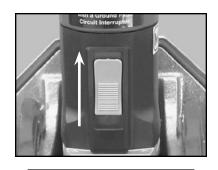
(E) Turn the motor ON



(F) Verify cooling flow on both sides of the blade



(G) Perform the cut



(H) Turn the motor OFF when work is complete

#### 2. Cutting 45° Miters:

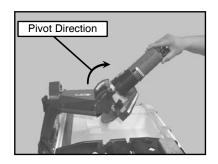
The MK-770 EXP is designed with an adjustable Cutting Head for precision 45° Miter Cuts.

**A** CAUTION

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



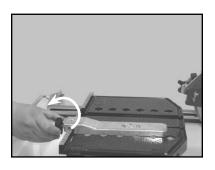
(A) Loosen the Cutting Head Pivot, Retaining Knob



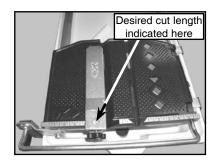
(B)
Pivot the Cutting Head to the 45° cutting position



(C)
Tighten the Cutting Head,
Pivot Retaining Knob



(D)
Loosen the Adjustable Cutting
Guide retaining thumbscrew



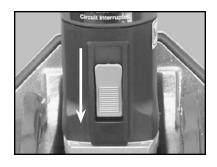
(E)
Position the Adjustable
Cutting Guide to desired cut
length indicated inside the
diamond



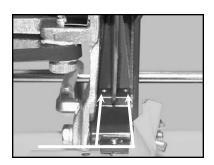
(F)
Tighten the retaining thumbscrew



(G)
Place the tile against the
Ruler/Stop and Cutting Guide

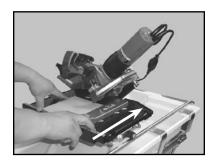


(H) Turn the motor ON

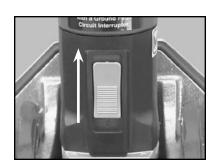


(I)
Verify cooling flow on both sides of the blade

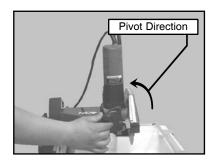
Cutting 45° Miters (cont...)



(J) Perform the cut



(K)
Turn the motor OFF when work is complete

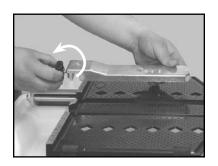


(L)
Return the Cutting Head to the upright position when complete

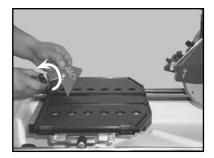
#### 3. Diagonal Cutting:

NOTE: To cut diagonal, the Dual 45º Flat Angle Guide (MK Diamond Part No. 134557-MK) should be used (not Included).

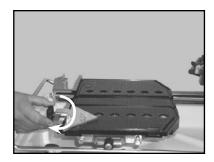
CAUTION DO NOT FORCE THE TOOL. It will do the job better and safer at the rate for which it was designed.



(A)
Remove the Adjustable
Cutting Guide

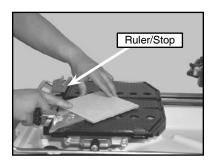


(B)
Place the Dual 45° Flat Angle
Guide on the Ruler/Stop

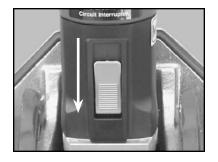


(C)
Position the Dual 45º Flat
Angle Guide and tighten the
retaining thumbscrew

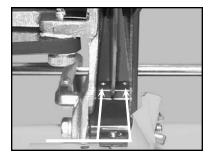
NOTE: If Cutting the tile in two equal halves, align the tile in the V-notch of the Movable Cutting Table Ruler/Stop.



(D)
Position the tile against the
Dual 45º Flat Angle Guide and
the Ruler/Stop



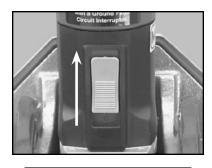
(E) Turn the motor ON



(F)
Verify cooling flow on both sides of the blade



(G) Perform the cut

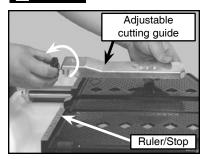


(H)
Turn the motor OFF when
work is complete

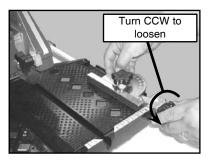
#### 4. Off-angle Cutting:

NOTE: Use a Protractor (MK Part No. 134569-MK) should be used (not included).

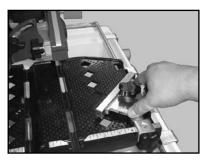
! CAUTION DO NOT FORCE THE TOOL. It will do the job better and safer at the rate for which it was designed.



(A)
Remove the Adjustable
Cutting Guide



(B)
Place the Protractor on the Ruler/Stop



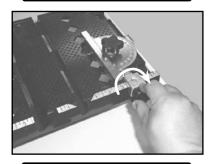
(C)
Set the desired angle on the
Protractor Gage



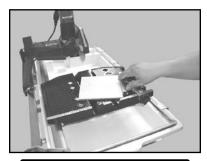
(D)
Tighten the Protractor Gage retaining knob



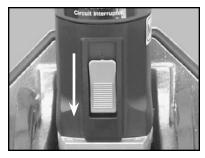
(E)
Position the Protractor Cutting
Guide to the desired length



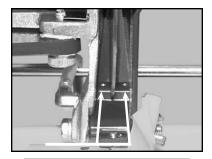
(F)
Tighten the retaining knob



(G)
Position the tile against the
Protractor and the Ruler/Stop



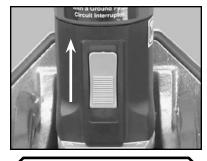
(H) Turn the motor ON



(I)
Verify cooling flow on both sides of the blade



(G) Perform the cut

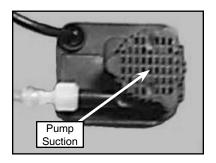


(H)
Turn the motor OFF when work is complete

#### **CLEANUP**

NOTES: 1. If an external water source was used, steps A through C may be skipped.

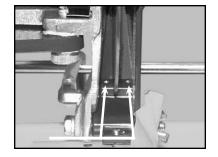
2. Dispose of wastewater in accordance with applicable Federal, State and Local laws.



(A)
Clean the Water Pump suction of all debris



(B)
Place the Water Pump in an external container



(C)
Run the MK-770 EXP until
clear water is seen at the
blade Cooling Flow Points
(Approx. 1 minute)retaining
thumbscrew

**A** CAUTION

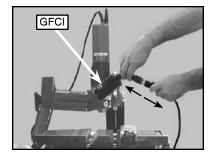
Ensure the saw is disconnected before completing the remainder of the cleanup process.



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



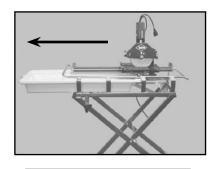
(E)
Unplug the GFCI from the
Power source



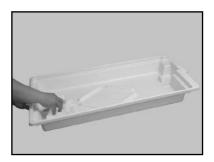
(F) Unplug MK-770 EXP from the GFCI



(G)
Clean the MK-770 EXP with soap and clean water



(H) Remove the Water Pan from the MK-770 EXP



(I) Clean the Water Pan

**A** CAUTION

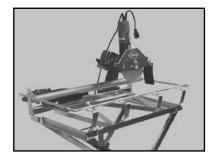
Ensure water is not forced into the motor casing when cleaning.



(J)
Clean the Movable Cutting
Table Guide Bar



(K)
Clean the Movable Cutting
Table Roller Wheel Frame
Support



(L) Clean the remainder of the MK-770 EXP

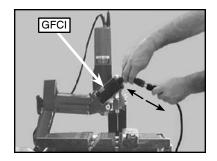
#### **MAINTENANCE**

### 1. Maintenance Following Use:

To extend the life of the MK-770 EXP, 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.



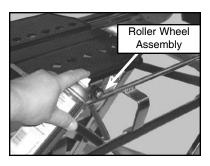
(A)
Ensure the ON/OFF Switch is in the OFF position



(B) Unplug MK-770 EXP



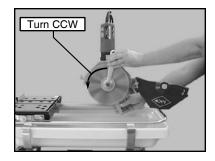
(C) Lubricate the Guide Bar



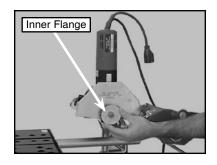
(D)
Lubricate the Roller Wheel
Assembly

#### 2. Monthly Maintenance:

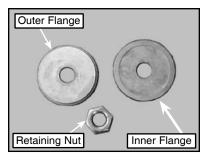
The following maintenance should be performed Monthly.



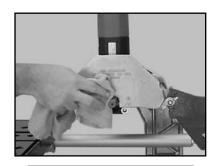
(A)
Remove the Diamond Blade,
Outer Flange and Retaining
Nut



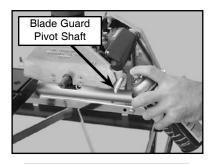
(B) Remove the Inner Flange



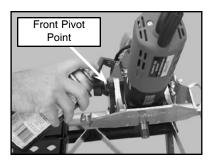
(C)
Clean and Lubricate the Inner
and Outer Flanges and the
Retaining Nut



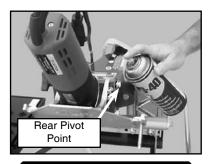
(D) Clean around Motor Shaft



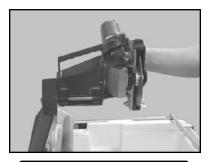
(E)
Remove the Blade Guard then clean and Lubricate the Blade Guard Pivot Shaft



(F)
Lubricate the front Cutting
Head Pivot Point



(G)
Lubricate the rear Cutting
Head Pivot Point



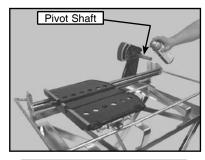
(H) Remove the Cutting Head



(I)
Clean the Cutting Head Pivot
Holes



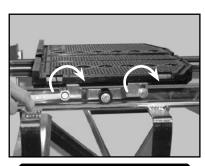
(J)
Lubricate the Cutting Head
Pivot Holes



(K) Lubricate the Cutting Head Pivot Shaft



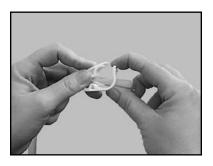
(L) Lubricate the Cutting Head Adjustment Knob



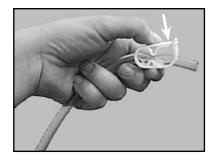
(M)
Verify the Cutting Table Roller
Wheel Assembly is tight

### 3. Flow Adjustment:

NOTE: If flow to the diamond blade requires adjustment, perform the following actions.



(A)
Increase cooling flow by
releasing the Flow Adjusting
Clamp



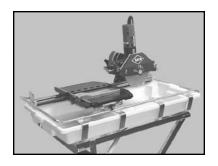
(B)
Reduce cooling flow by
Pressing down on the Flow
Adjusting Clamp

#### 4. Blade Dressing

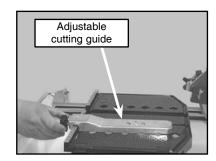
Like most cutting instruments, a diamond blade performs best when it is dressed. Over time and use, diamonds on the outer edge of the blade will become smoothed or "glazed" over.

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.

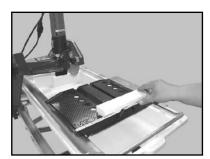
The diamond blade can be dressed using the MK Dressing Stick (part number 152792) and by following the steps below.



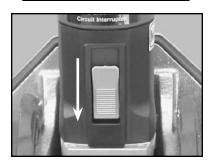
(A)
Setup the MK-770 EXP
for operation (See Setup,
Adjustment and Operation)



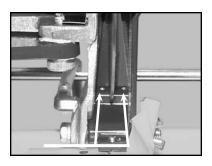
(B)
Set the Adjustable Cutting
Guide to cut a 1/16-strip



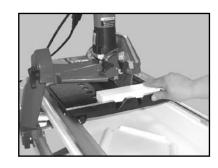
(C)
Position the Dressing Stick



(D) Turn the motor ON



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



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



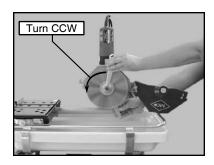
(G)
Ensure the ON/OFF Switch is in the OFF position

#### 5. Diamond Blade Change-out:

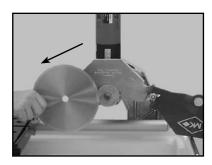
NOTE: When installing the Retaining Screw, do not "cross-thread" and DO NOT over tighten the screw.



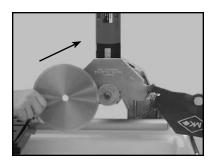
(A) Open the Outer Blade



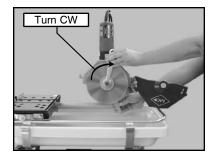
(B) Remove Retaining Nut and Outer Flange



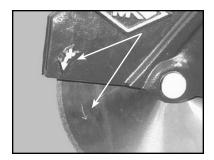
(C) Remove Diamond Blade from Blade Shaft



(D)
Install the Diamond Blade
onto Blade Shaft



(E)
Install the Retaining Nut and
Outer Flange and then tighten
using the Blade and Shaft
Wrenches



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



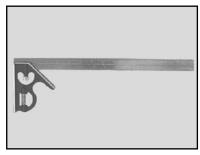
(G) Close the Outer Blade

#### **TABLE ALIGNMENT:**

The Movable Cutting Table of the MK-770 is pre-aligned in the factory. It may become misaligned with the Cutting Head of the Tile Saw over time. Should misalignment occur, perform the following steps to realign it.

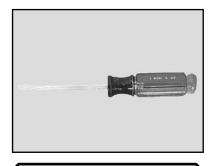
NOTE: If alignment problems are the result of a warped blade, a bent frame or bent support arm, or, if alignment is off by more than 1/8-inch, contact the MK Diamond Service Center – (800) 474-5594

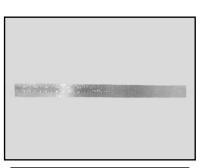




Combination Square 12-inch or Greater





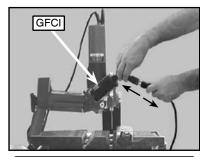


1/4-inch Wrench

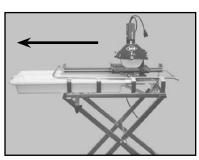
Flat Head Screwdriver

Metal Straight Edge





(A) Remove Tile Saw from Power Source



STEPHAN COLD

(B) Remove Water Pan

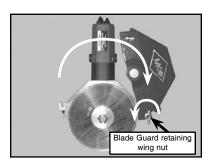
(C) Inspect Tile Saw for damage

(D)
Inspect Diamond Blade
for damage

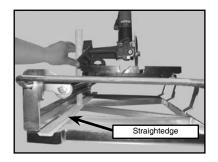
#### **Movable Cutting Table Alignment Verification:**

This will verify the Movable Cutting Table is aligned to the frame of the saw.

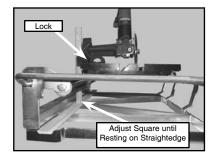
NOTES: If the blade is misaligned following alignment verification, attempt to align using Alignment Screw, 90° Verification. The Diamond Blade must be removed and reinstalled when removing the Blade Guard.



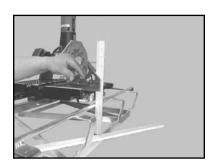
(A) Remove Blade Guard



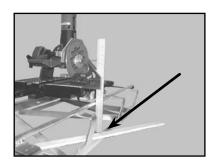
(B)
Place straight edge on frame and Square on cutting table



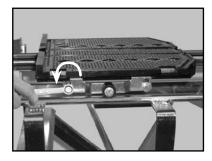
(C) Lock in position



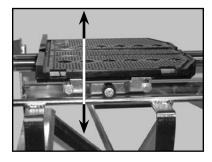
(D)
Move Straightedge to the other side, and place the Square on that side of table



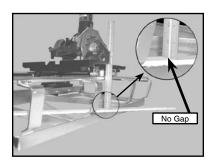
(E)
Check for Gap between the
Square and Straightedge



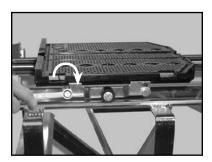
(F)
If Gap exists, loosen Movable
Cutting Table Wheel
Assembly



(G)
Move Wheel Assembly up or
down to Square the Movable
Cutting Table



(H)
Re-Verify Wheel Assembly side
of Movable
Cutting Table height
is same as Guide Bar side

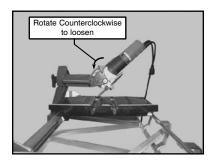


(I)
Tighten Movable Cutting
Table Wheel Assembly

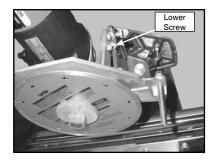
#### Alignment Screw, 90° Verification:

90º-alignment verification will ensure that the blade will cut the tile straight up and down and not at an angle.

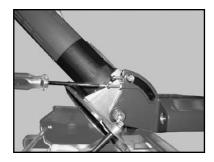
NOTES: If the blade is misaligned following this alignment procedure, return the saw to MK Diamond for repair. The Diamond Blade must be removed and reinstalled when removing the Blade Guard.



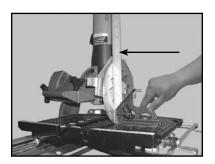
(A)
Position the Cutting Head to the 45° Cutting Angle



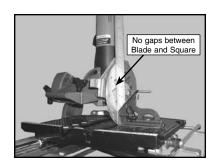
(B) Locate the 90° Adjustment Screw



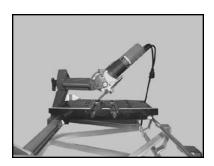
(C)
Rotate 90° Adjustment Screw clockwise or counter-clockwise to realign Cutting Head



(D)
Position the Square on
Movable Cutting Table
against the Diamond Blade



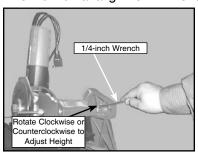
(E)
Verify the Diamond Blade
is Square to the Movable
Cutting Table



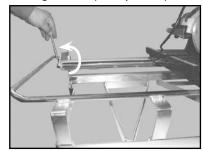
(F)
Repeat Steps A to E as
necessary to align the
Cutting Head

# **Horizontal Rough Alignment:**

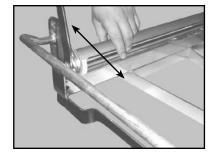
The Horizontal alignment will ensure that straight cuts (or Rip Cuts) are made.



(A)
Position Cutting Head
to normal Cut Depth

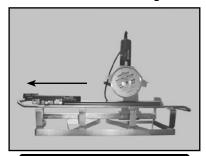


(B) Loosen front and rear Guide Bar Retaining Bolts

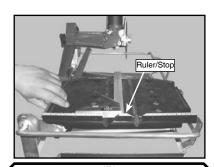


(C)
Move Guide Rail until the
Blade is centered in
Cutting Groove

#### **Horizontal Final Alignment:**



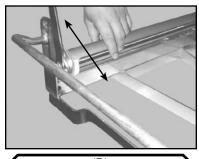
(A)
Pull Movable Cutting Table
to front of Tile Saw



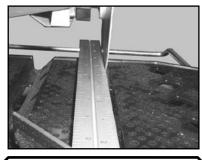
(B)
Position Square flat on Movable
Cutting Table against Ruler/Stop



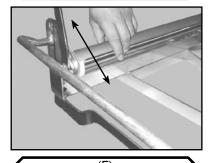
(C)
Position front of Square
against Blade



(D)
Move Guide Bar until Square
rests evenly across Blade



(E)
Position end of Square
against Blade

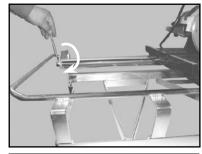


(F)
Move Guide Bar using Adjusting
Bracket until Square rests evenly
across Blade

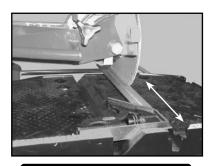
# **Horizontal Alignment Verification:**



(A)
Move the Cutting Table back and forth to verify Blade is even across all points of Square



(B) Tighten Guide Bar Retaining Bolts

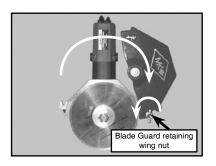


(C)
Move the Cutting Table back and forth to re-verify Blade is even across all points of Square

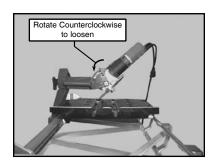
#### 45° Alignment Verification:

The 45° Alignment Verification is done to ensure the blade will cut tile at a 45° angle.

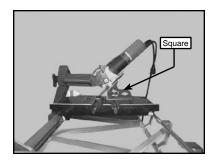
NOTES: If the blade is misaligned following this alignment procedure, return the saw to MK Diamond for repair. The Diamond Blade must be removed and reinstalled when removing the Blade Guard.



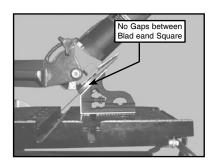
(A)
Remove Blade Guard
(If not done Previously)



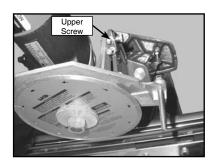
(B)
Position the Cutting Head
to the 45° Cutting Angle



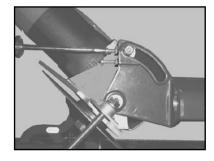
(C)
Place Square on the Movable
Cutting Table and position the
Square against the Blade



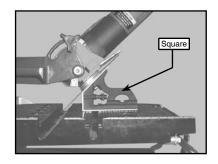
(D) Verify Blade is even across all points of Square



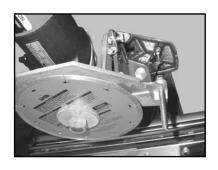
(E)
To Adjust 45° Cutting Angle,
locate the 45°
Adjustment Screw



(F)
Rotate 45° Adjustment Screw clockwise or counter-clockwise to realign 45° Cutting Angle



(G)
Verify Blade is now even across all points of Square



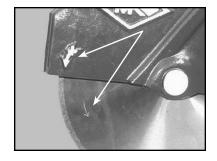
(H)
Repeat steps A to G until Blade
is even across all points of
Square

#### **TROUBLESHOOTING**

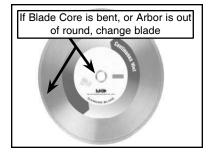
### 1. Blade will not cut properly:



(A) Check for Smoothness or "Glazing" (Dress blade if needed)



(B) Check for proper rotation



(C)
Ensure the Blade Core is not bent and Arbor is not out of round



(D)

Verify the blade is correct for the material being used

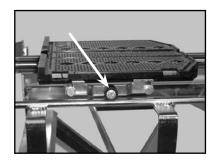


(E)
Return to MK Diamond
for Repair

# 2. Movable Cutting Table Does Not Move Smoothly:



(A)
Check that the Guide Bar is
clean – clean if dirty

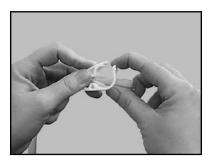


(B)
Check the Movable Cutting
Table Roller Wheel for wear
replace if necessary

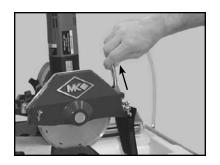


(C)
Return to MK Diamond
for Repair

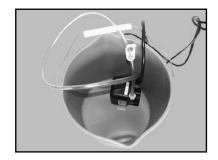
#### 3. Cooling Flow:



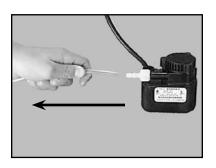
(A)
Check cooling flow Adjusting
Clamp open



(B) Remove the Cooling Transfer Tube from the Blade Guard inlet



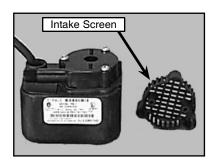
(C)
Place Pump into a bucket of water and check flow



(D)
Remove the Cooling Transfer
Tube and check flow



((E)
Remove the Pump Discharge
Fitting and check



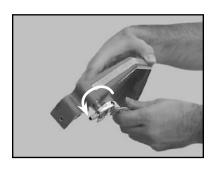
(F)
Remove the Pump Intake
Screen and check for debris



(G)
Remove the 3 Pump Casing
Retaining Screws



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

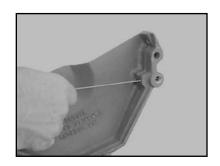


(I) Remove the Blade Guard Intake Fitting

**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) Clean the Blade Guard Intake Fitting

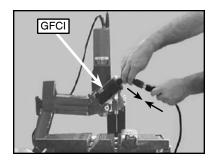


(K)
Rod Cooling Channels and recheck flow



(L)
Return to MK Diamond for Repair

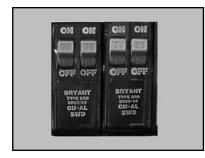
# 4. Blade Stops Turning



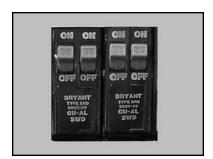
(A)
Verify all plugs are fully
installed



(B)
Check to see if the Ground
Fault Circuit Interrupter (GFCI)
is tripped



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



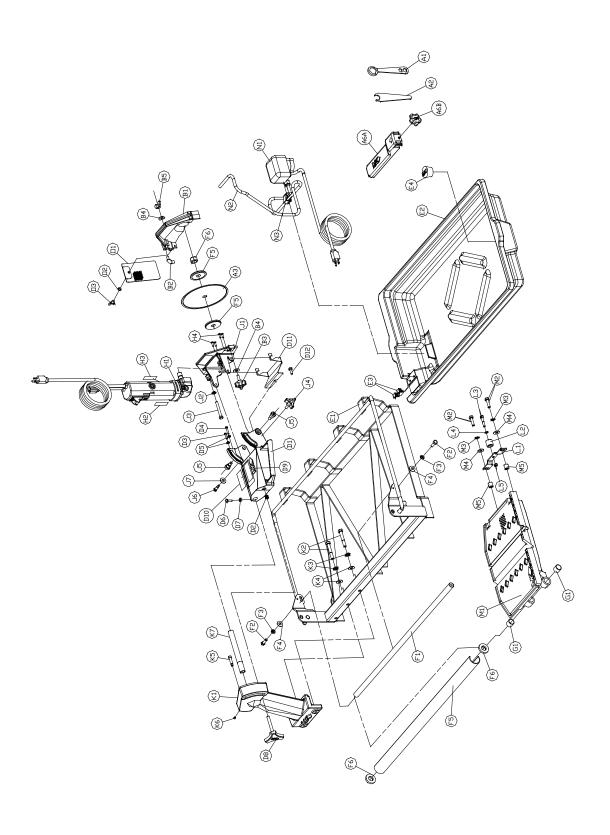
(D)
Verify circuit breaker not tripped If tripped, reset once



(E)
Check power source voltage is 115V – if not 115v, move to another circuit



(L) Return to MK Diamond for Repair



# MK-770 EXP PARTS LIST

#### **PARTS LIST:**

Item	Description	Qty	Part #
A	Accessories	1	n/a
A1	Wrench, Blade Nut, 15/16 Boxed End	1	134684
A2	Wrench, Blade Shaft, 11/16 Open End	1	153450
A3	Blade, 7 x 5/8 x .060	1	153441
A4	Owner's Manual, 770EXP	1	160434
A5	Warranty Card	1	155037
A6	Assembly, Large Die Cast Rip Guide	1	n/a
/.0	A6A) Rip Guide (comp)	1	159751
	A6B) Knob, Rubber (1/4-20x3/4)	1	159428-1
A7	Carton, Accessory Pack	1	153366
A8	Sell Sheet, Tile Accessory	1	156915
Α0	Gell Grieet, Tile Accessory	I	130313
В	Assembly, Blade Guard, 7"	1	154811-MK
B1	Guard, 7" Blade (comp)	1	154811
51	Guard, 7" Blade (raw)		154810
B2	Elbow, 1/8 MNPT X 1/4 BARB 90° Brass	1	154652
B3		1	
B4	Knob, Davies	2	151681
B5	Washer, 5/16 SAE Flat	1	151754
D0	Wing nut, 5/16-18 Nylock	l I	151746
	Conton	4	
C C1	Carton MK 770 EVP	1 1	n/a
CI	Carton, MK-770 EXP	I	160433
D	Assembly, Cutting Head	1	160042
D1		1	159937
וט	J 17		159937
D2	Cutting Head (Raw) Helicoil, 3/8-16x3/8	1 1	153486
D3	Screw, Slotted Pan Head, 10-32x3/4	1	151750
D3 D4	Screw, Slotted Pan Head, 10-32x3/4 Screw, Slotted Pan Head, 10-32x1	1	151750
D5	Nut, Hex 10-32	2	151749
	,	1	151749
D6	Screw, Hex Head, 1/4-20x3/4		
D7	Nut, Hex, 1/4-20	1	151893
D8	Knob, Tri Plastic	1	156770-04
D9	Label, Warning, Read Owner's Manual	1 1	155806
D10	Label, Serial Number, UL/CSA Mark		157249-04
D11	Cover, Splash	1	160279
D12	Screw, Hex Head, 1/4-20x3/8	1	153526
E	Frama	4	n/a
<u> </u>	Frame	1 1	n/a 153003
E2	Frame Pan Water	1 1	160121
E3	Pan, Water Clip Cord 1/4 Rush Mount	2	157259
E3	Clip, Cord, 1/4 Push Mount		
	Plug, Water Drain	1	159529
<b>E</b> 5	Strap, 9" Drain Plug	1	159530
F	Assembly, Guide Bar, 3/4 Dia	1	n/a
F1		1 1	
['	Bar, Guide, 3/4 Dia		134759
	Steel, C1045 Chromerod, 3/4 Dia x 2.25'	1 2	154185
F2	,		151743
F3	Washer, 5/16 Split Lock	2	151747
F4	Washer, 5/16 SAE Flat	2	151754

# MK-770 EXP PARTS LIST (cont...)

G	Linear Bearing, 3/4 Dia	1	n/a
G1	Bearing, Multi lube	2	152227
Н	Assembly, 120v Motor	1	n/a
H1	Motor, 120v 7.4A, Flex		156428
H2	Label, Caution, GFCI, 1 X 2 1/8		155678
H3	Label, Caution, Receptacle, 1 X 2 1/8	1 1	154822
H4	Screw, 10-32 X 5/8 Flat Head Phillips Cap	4	157554
H5	Flange, Blade	2	135830
H6	Nut, 5/8-18	1	135848
110	14ut, 5/0-10	1	100040
J	Assembly, Motor Mount	1	160052
J1	Motor Mount (Comp)	1	159941
	Motor Mount (Raw)	1 1	159940
J2	Washer, 5/16 Split Lock	1	151747
J3	Screw, 5/16-18 x 2-1/2 Hex Head Cap, Full Thread	1	151748
J4	Knob, Davies	1	151681
J5	Bolt, Shoulder, Soc Head, 1/2 x 1/2	2	151753
J6	Bolt, Shoulder, Soc Head, 1/2 x 1/2 Bolt, Shoulder, Soc Head, 5/16 x 5/8	1	152137
J7	Washer, 5/16 SAE Flat	1	151754
37	Washer, 3/10 SAL Flat	<u>'</u>	131734
K	Post	1	n/a
K1	Post (Comp)	1	160199
'``	Post (Raw)	1 1	160198
K2	Screw, Hex Head, 3/8-16x2"	2	153485
K3	Washer, Lock, 3/8	2	150925
K4	Washer, Flat SAE, 3/8		150923
134	Washer, Flat OAE, 0/0	2	100020
L	Assembly, Roller Wheel	1	151756
L1	Bracket, Roller Wheel	1	154021
L2	Wheel, Roller	1	151799
L3	Screw, ¼-20 X 1 ¼ Hex Head Cap	1	157145
L4	Washer, ¼ SAE Flat	1	151915
L5	Nut, ¼-20 Hex	1	151893
	-,,		
М	Table		n/a
M1	Table (Comp)	1	160268
	Table (Raw)	1	159938
M2	Screw, 5/16-18 X 1 Hex Head Cap	2	151743
М3	Washer, 5/16 Split Lock	2	151747
M4	Washer, 5/16 SAE Flat	2	151754
M5	Spacer, 1/2x5/16x3/8	2	160264
	•		
N	Assembly, 120v Water Pump	1	n/a
N1	Pump, Water, 120v	1	151271
N2	Hose, Vinyl, ¼ ID x 2'		132951
N3	Clamp, Flow, 1/4-1/2		154394
0	Assembly, Splash Curtain	1	155901-MK
01	Guard, Splash	1	160310
02	Washer, ¼ SAE Flat		151915
O3	Wing screw, ¼-20 X ½	1	151888

#### 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**

ACCESS	UKIES .			
ITEM	NUMBER	DESCRIPTION		
1.	139295	MK-200, 7 x 5/8 Arbor	•	
2.	139311	MK-215, 7 x 5/8 Arbor		
3.	158434	MK-225, 7 x 5/8 Arbor		
4.	153293	MK-315, 7 x 5/8 Arbor		
5.	134577-MK	Dual 45° Flat Angle Guide		
6.	134569-MK	90° Protractor		
8.	152792	Dressing Stone		
9.	152610	Ground Fault Circuit Interrupter		
10.	160197	Universal Stand		

#### **ORDERING & RETURN INSTRUCTIONS**

#### 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-770 EXP, 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, or visit our web site at www.mkdiamond.com. For technical questions, call – 800 474-5594.