

**Model MK 1070
Tile Saw
Owner's Manual
Parts List &
Operating
Instructions**

MK-1070 TILE SAW



**CAUTION:
Read Safety
And General
Instructions
Carefully
Before Using
Saw For The
First Time.**

For your one (1) year warranty to be effective, complete the warranty card (include the serial number) and mail it in as soon as possible.

**Manual Part No. 156172
Revision 8/98**

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GENERAL SAFETY INSTRUCTIONS FOR THE MK-1070 TILE SAW

For your safety!

These safety precautions should be followed at all times. Failure to follow these safety precautions could result in injury to yourself and others. Safety is a combination of operator common sense and alertness at all times when the saw is being used.

For your own safety and protection, do not attempt to operate saw until it is completely assembled and installed according to the instructions, and until you read and understand all safety and operating instructions.



- Take time to read and understand fully the owner's manual instructions and all safety labels attached to the saw.



- Use safety goggles and ear protectors that comply with ANSI Z87.1. Wear a dust mask and protect your hands, face and body with the proper clothing and safety equipment.



- Keep blade guard in place and in working order at all times.



- Be sure you have the right saw and blade for the work to be done. Forcing a tool to do a job for which it was not designed invites hazardous results and failure.



- Keep work area clean and safe to avoid accidents.

- Maintain a "safe zone" and keep all visitors at a safe distance from the work area.

- Always make sure switch is "off" before plugging unit into electrical power.

- Never leave saw running unattended. Turn power off.

- Be sure the saw is secure and stable before cutting. Never stand on the saw or use the saw on an unsupported surface.

- Maintain all tools with care for the safest and best performance.

- Should any part of this saw be missing or damaged, or any component fail to perform properly, shut off the saw and unplug the power source. Replace the missing, damaged, and/or failed part before resuming operation.

- Always keep alert. Do not allow familiarity (gained from frequent use) to cause a careless mistake. Always remember that a careless fraction of a second is sufficient to inflict severe injury.

- **THINK SAFETY** The operation of any power tool can result in foreign objects being thrown into the eyes causing severe damage. Use safety goggles to comply with ANSI Z87.1.

FORESIGHT IS BETTER THAN NO SIGHT

Safety Messages

A safety message and symbol informs you about potential hazards that could hurt you or others. Each safety message is preceded by one of the three words: Danger, Warning, or Caution.

Danger

You **WILL** be **KILLED** or **SERIOUSLY** injured if you don't follow instructions.

Warning

You **CAN** be **KILLED** or **SERIOUSLY** injured if you don't follow instructions.

Caution

You **CAN** be injured and/or your saw can be damaged if you don't follow instructions.

Additional Information as to the nature of the hazard is provided by the following hazards symbols which appear throughout the manual in conjunction with safety message alert symbols.

Hazard Symbols



Electrical Shock!

Exposed, frayed or worn electrical motor and/or water pump wiring can be sources of electrical shock which could cause severe injury or burns.



Accidental Starts!

Before applying electrical power to the saw, ensure that the ON/OFF switch is in the OFF position. Accidental starts can cause injury.



Rotating or Moving Parts!

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

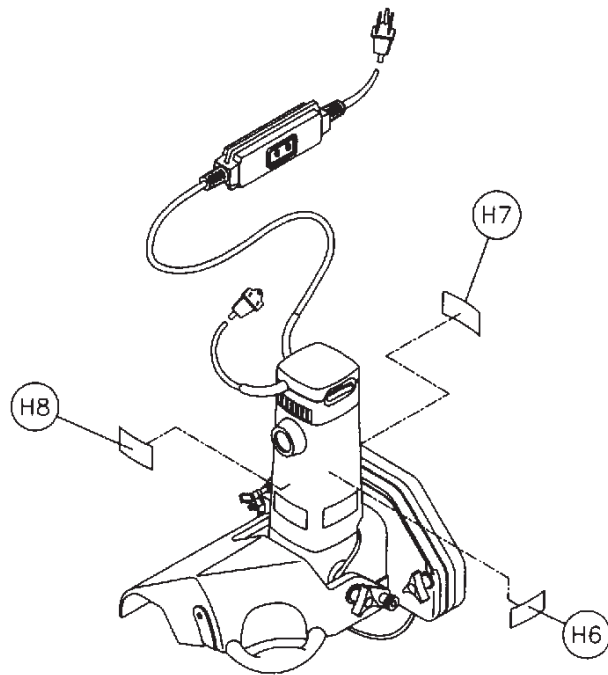
**damage
prevention
messages**

Other important messages that are designed to help prevent damage to your MK Diamond 1070 tile saw, other property, or the environment are preceded by the word “notice.”

notice Your MK-1070 tile Saw or other property could be damaged if you don't follow instructions

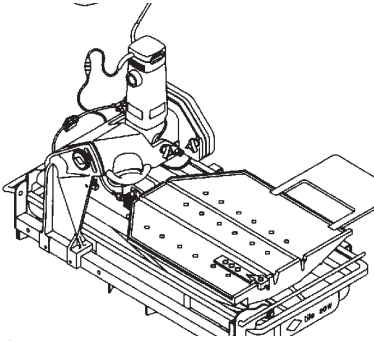
**safety
label
locations**

Safety labels are located according to the drawing below. The labels contain important safety information. Please read them carefully. 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 replacement.



| Item | Location | Description | Part # |
|-----------|-------------------|-------------------------------|--------|
| B9 | Blade Guard | Hearing Protection | 156687 |
| D5 | Cutting head, top | Model and serial number label | 156173 |
| H6 | Motor, front side | General safety precautions | 155806 |
| H7 | Motor, blade side | GFCI cautions | 155678 |
| H8 | Motor | Amp. max cautions | 154822 |

10 inch blade capacity, with built-in mitering



Saw Features

The lightweight portable MK-1070 is a powerful tile cutting machine that features an innovative adjustable cutting head that allows the operator to make precision miter cuts quickly and accurately. The MK-1070 is uniquely designed with the professional in mind to meet all requirements for any cutting application.

Motor

The MK-1070 features a powerful high torque right angle drive universal motor with the following specifications:

120 volts/ 50/60 hertz, single phase

2000 watts 17.6 ampere

4300 r.p.m.

The heavy-duty pinion and gear wheel assembly is permanently lubricated in the sealed right-angle gearbox.



Caution

Wear hearing protection when operating saw.

Cutting Head

The cutting head includes a built-in, fully adjustable, 45° miter system. The 10 inch blade capacity yields a depth of cut of 3-3/4" or 2-1/8" at a miter. The hinged blade guard allows easy blade changes, and is wide enough to accept 8" profile wheels.

Conveyor Table

The rugged conveyor table assembly utilizes a linear guide bar and cover that provides accurate, minimal maintenance operation, and increases operator control and safety. The full movement of the table allows for the cutting of 24" tile, or full diagonal cutting 18" tile.

Frame and Tower

The unitized structural steel frame and cast aluminum tower of the MK-1070 provide maximum strength and rigidity, while keeping weight to a minimum. The MK-1070 is very portable at 107 pounds and an overall size of 41"L x 23"W x 18"H. Carrying handles are provided for ease of transporting.

Water System

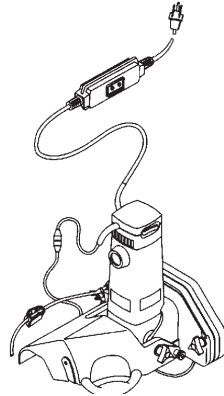
The water system of the MK-1070 consists of a thermoplastic water reservoir and a submersible recirculating pump that connected to water tubes in the blade guard in order to provide a continuous supply of water to both sides of the blade. The water reservoir will not rust or peel, and can be removed for easy cleaning.

Unpacking, and Preparation

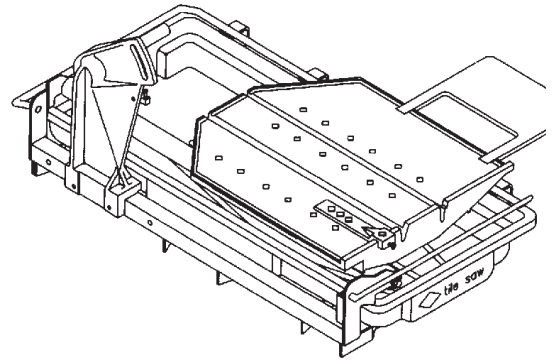
Carefully open carton. Remove the accessory pack. Lift the saw frame out of the carton by the frame, and place onto a level work surface. The saw frame may also be placed onto the optional stand (see Stand under Optional Accessories) at this point.

Open the accessory pack, and check each item with the contents list and illustration below, making certain that all items are accounted for and in good condition before discarding any packing material. If there are any missing or damaged parts, call our toll free number 1-(800) 421-5830 for instructions before proceeding with the assembly.

Contents of carton: Saw frame and Accessory Pack



cutting head



saw frame

Accessory pack contains:

water pump hose adapter

water pump hose with clamp

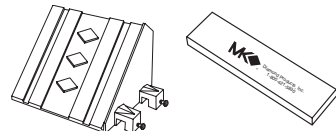
water pump

splash guard

rip guide

height adjustment knob

3/8" washer



cutting kit

drain plug

wing screw

blade nut wrench

blade shaft wrench

10" tile blade

pump manual

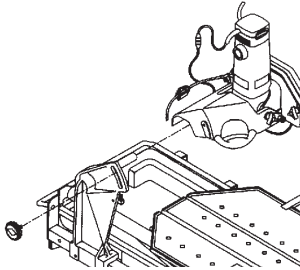
owner's manual

warranty card

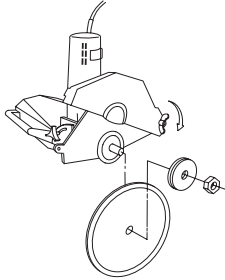
Initial Assembly



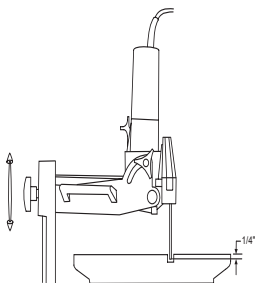
The Cutting Head



installing the blade



Blade Tracking



Warning

For your own safety and protection, do not attempt to operate this saw until it is completely assembled according to the instructions, and until you understand the machines capabilities and the potential hazards associated with it.

The Cutting Head Assembly has been professionally installed and aligned to insure accurate cutting in both the 90° and 45° plane. Adjustments to the Cutting Head should only involve its designed feature for miter cutting. Great focus and precision went into the alignment process, therefore it is advisable not to break or alter any of the factory adjustments. If transportation or maintenance necessitates some disassembly, the Cutting Head may be removed by unthreading the circular height adjustment knob, and sliding the entire assembly from the rear post pin.

Loosen the davies knob and the wing nut on the blade guard, raise the blade guard to it's highest position, and retighten the wing nut. Remove the blade shaft nut and outer flange using the wrenches provided. Place the blade onto the shaft making sure that the rotation arrow on the blade faces counter-clockwise (triangular shaped black knob), when viewed from the blade side of the saw. Reinstall the outer flange and blade shaft nut, tightening the nut with the wrenches provided. Be careful not to over-tighten! Lower the blade guard and retighten the davies knob and wing nut.

Loosen the adjustment knob and lower the cutting head until the blade is 1/4" below the surface of the conveyor table. Tighten the height adjustment knob to hold the cutting head in this position. Ensure that the blade tracks near the center of the channel in the conveyor table, and that the table moves freely from front to back (refer to Securing the Table if table does not move freely). If the blade does not track near the center of the channel or the conveyor table does not move freely at this point, stop and call MK Diamond Customer Service at 1-(800) 421-5830.

The Cutting Head Assembly has been factory adjusted to insure proper cutting. The blade should track near the center of the 90° channel in the conveyor table, and should move freely from front to back. If the blade strikes the side of the channel, does not track smoothly, or appears too far left or right of center, call MK Diamond Customer Service before proceeding.

installing the water pump

Screw the water pump hose adapter onto the water pump. Slide one end of the water hose onto the adapter and place the pump in the water pan cradle. Slide the other end of the water hose onto the fitting at the back of the blade guard. Plug the water pump into the three-prong receptacle on the motor. Fill the pan with clean water, insuring that the water level is above the pump intake to insure proper operation. The water pump is completely submersible, has sealed bearings and is thermally protected. Cold weather and low voltage may cause the pump not to function properly. Be sure that the pump is clear of sediment before operation. See the pump manual separately enclosed for all pump information.

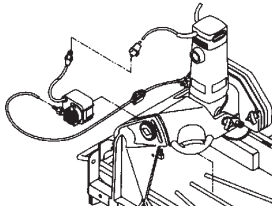
Warning



This pump is supplied with a grounding conductor and a grounding type attachment plug. To reduce the risk of electrical shock, connect only to a properly grounded, ground-type receptacle.

- Do not use this pump in flammable liquid.
- Do not remove grounding pin from electrical cord.
- Do not connect to any voltage other than that shown the pump.

Notice: Do not run the pump dry. Also be sure to disconnect and remove the water pump when cutting dry.



electrical requirements

The MK-1070 tile saw is wired for 120V, single phase operation, and draws 17.6 amps at 120V. This is a large load and if the machine is operated on any circuit that is already close to it's capacity, the circuit breaker may be tripped. If this occurs, eliminate other loads from the circuit. A separate circuit protected by a 20 amp breaker is ideal. If other loads do not exist and power failure still occurs, have the circuit inspected by a qualified electrician.



Warning

This equipment must be grounded. The MK-1070 is equipped with a grounded power cord and plug. To reduce the risk of electrical shock, connect only to a properly grounded, ground-type receptacle. If used, extension cords must be three conductor type with three prong ground type plugs and receptacles. Use only UL listed cords and connect the saw as close to the power source as possible. Always repair or replace extension cords if they become damaged. Use the following chart for cord selection.

| Length of extension Cord | up to 50' | up to 75' | over 75' |
|--------------------------|-----------|-----------|----------|
| Minimum Wire Gauge | #14 | #12 | #10 |

Notice: Use of undersize extension cords results in low voltage to the motor, which can result in burnout and premature failure. MK warns that equipment returned to us, showing signs of being run in a low voltage condition through the use of undersized extension cords, will be repaired or replaced totally at the customer's expense, regardless of current warranty condition.



In the event 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 connection of the equipment - grounding conductor can result in a risk of electric shock. The conductor with the insulation having an outer surface that is green, with or without yellow stripes, is the equipment grounding conductor. 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 damaged or worn cord immediately. See Table 1 for proper extension cord gage requirements.

 **Warning**

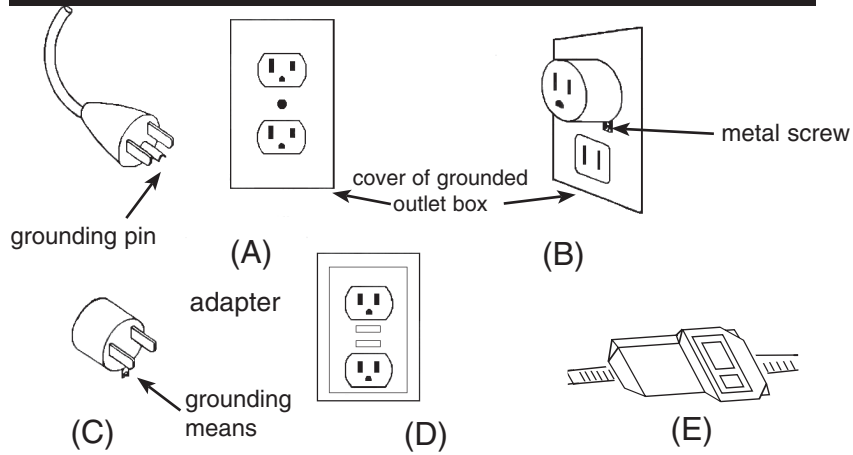
This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch A in Figure 1. The tool has a grounding plug that looks like the plug illustrated in Sketch A in Figure 1. A temporary adapter, which looks like the adapter illustrated in Sketches B and C, may 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 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

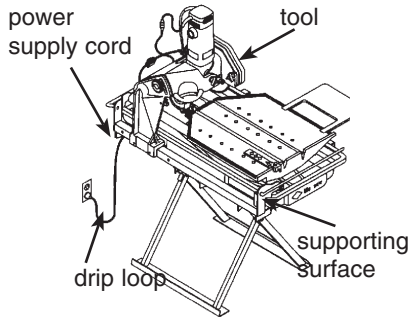
Use of a temporary adapter is not permitted in Canada.

Additionally, the water pump requires the use of a Ground Fault Circuit Interrupter. Therefore, when using the water pump, plugged into the motor receptacle, this tool must be plugged into a properly installed and grounded Ground Fault Circuit Interrupter outlet, like the one illustrated in Sketch D in Figure 1. If a Ground Fault Circuit Interrupter outlet is not available, MK Diamond has available, as an accessory item, a plug - in Ground Fault Circuit Interrupter that may be plugged into a properly installed and grounded 3-pole outlet. See Sketch E in Figure 1.

**Figure 1
Grounding methods**



Position of Tile Saw



Warning

If the plug or receptacle does get wet, DON'T 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.

To avoid the possibility of the appliance plug or receptacle getting wet, position tile saw to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop," shown in the figure below, should be arranged by the user for the cord, connecting the saw to a receptacle. The "drip loop" is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle.

Extension Cords

Warning

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

Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for the tile saw. Receptacles are available having built-in GFCI protection and may be used for this measure of safety.

Caution

**Table 1
Minimum gage for cord**

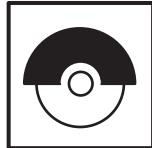
| Ampere Rating more than not more than | Volts | | Total length of cord in feet | | | |
|---|-------|-------|------------------------------|---------|-----------------|---------|
| | 120 V | 240 V | 25 ft. | 50 ft. | 100 ft. | 150 ft. |
| 0 | 6 | — | 50 ft. | 100 ft. | 200 ft. | 300 ft. |
| 6 | 10 | — | 18 | 16 | 16 | 14 |
| 10 | 12 | — | 18 | 16 | 14 | 12 |
| 12 | 16 | — | 16 | 16 | 14 | 12 |
| | | — | 14 | 12 | not recommended | |

Notice: Use of undersize extension cords results in low voltage to the motor, which can result in burnout and premature failure. MK warns that equipment returned to us, showing signs of being run in a low voltage condition through the use of undersized extension cords, will be repaired or replaced totally at the customer's expense, regardless of current warranty condition.

Sawing Operations

general cutting guidelines

- Match blade specification with the material being cut, following the manufacturer's recommendation.
- Before mounting the blade on the saw, inspect the arbor shaft, flanges and the blade for damage and uneven wear
- Inspect the diamond blade for damage periodically during use for fatigue cracks and segment damage.
- Be sure that the arbor hole diameter of the blade matches the blade shaft diameter.
- Be sure that the direction of rotation arrow on the blade is oriented properly, and that the blade shaft nut is securely tightened with the wrenches provided.
- Check for continuous flow of water to both sides of the blade before cutting.

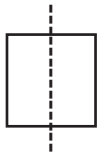


Warning

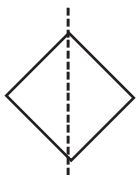
- Never operate any saw without safety guards in place.
- Do not force the blade into the the material: allow the blade to cut all it's own speed.
- Do not cut dry with blades designed for wet cutting.
- Do not make long continuous cuts with dry cutting blades: allow the blade to cool by turning in the air every few minutes.
- Do not exceed the blades safe operating speed.
- Do not operate the saw with a blade diameter larger than the saws capacity.
- Do not cut or grind with the side of the blade, or cut a curve or a radius.

For Best Results.....Use MK Diamond Blades.

rip cutting



square cut



diagonal cut



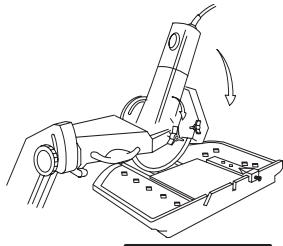
Warning

Rip cutting is the term used to describe cutting the material flat on the conveyor table, either on the square or the diagonal. When cutting the material on the square, position the rip guide to the desired cutting dimension, and tighten the thumb screw to secure it in place. Firmly hold the material against the conveyor table back stop and the rip guide while cutting. When cutting diagonally, position the material using the conveyor table back stop and the optional dual 45° flat angle guide. For cutting materials at other angles, use the 0-90° protractor to align the material to the desired angle.

Do not attempt to cut pieces too small to hold by hand outside the blade guard. Avoid awkward hand positions where a sudden slip could cause a hand to move into the blade.

When cutting a large piece of material, make sure it is fully supported. Hold workpiece firmly against conveyor table, back stop and guide. Only feed the material fast enough for the blade to cut. **DO NOT FORCE.**

45° Miter Cutting



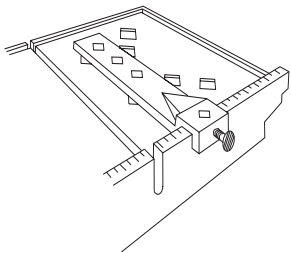
To use the built-in 45° miter feature, raise the cutting head to its highest position. Loosen the miter adjustment knob, rotate the motor mount until it rests on the 45° position stop screw, and then retighten the adjustment knob. Lower the cutting head until it rests on the adjustment screw at the bottom of the radial slot on the tower. Be sure to retighten the height adjustment knob. Insure that conveyor cart moves freely from front to back.



Warning

Do not attempt to adjust the stop screw located on the tower, as this will affect the factory setting of the built-in 45° feature. The cutting head adjustment knob must rest against this stop, or the blade will bind during cutting, possibly resulting in injury to the operator or damage to the saw.

conveyor table markings



The markings on the conveyor table back stop are used to aid in cutting tile to particular dimensions. The scale on the top of the back stop is used for setting the rip guide indicator to the desired cutting dimension. The scale is used to indicate the approximate position of the material being cut.

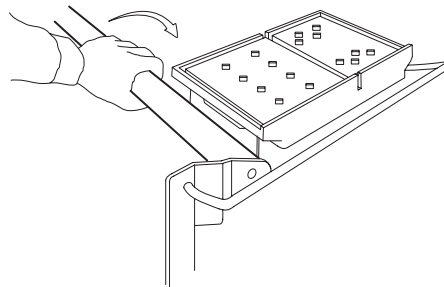
securing the conveyor table



Caution

The conveyor table may be secured into position for transportation and storage. Rotate the guide bar cover in a clockwise direction until the conveyor table is tight. To unsecure, rotate the guide bar cover counter-clockwise until the table moves freely.

This is not a locking device. The conveyor table may still move during transport if moved quickly.



Maintenance

Periodic maintenance of the MK-1070 will insure long life and trouble-free operation. The required maintenance consists of the following:

Clean the saw after every use. Clean out the pan with soap and water (see removing the pan). Raise the conveyor table to clean the linear bearing and the guide bar. Lubricate the guide bar periodically with a light machine oil. Wipe off the cutting head and other surfaces.



WARNING

For your safety, turn off the switch and unplug the saw from the power source before maintaining or cleaning the saw. If the power cord becomes damaged in any way, replace it immediately. When cleaning the saw, DO NOT get the motor wet. Electrical shock could occur. Excessive moisture can cause damage to the internal parts. **DO NOT Service** the motor's internal parts yourself. Call MK Diamond's customer service department at 1-800-421-5830 for help in solving any problems.



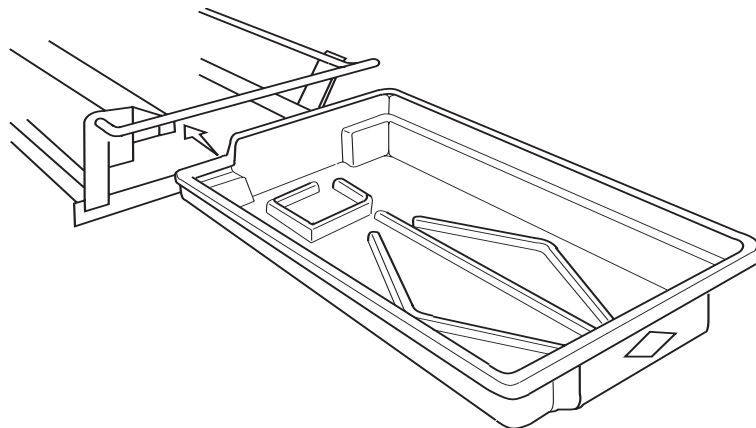
removing the pan

Unplug the MK-1070 from the power source. Unplug and remove the water pump from the pan. Drain the water from the pan by removing the drain plug. Slide the pan straight out through the front of the saw frame. When reinstalling the pan, make sure that the lip of the pan is aligned with the notches in the frame brackets and that the bottom of the pan rests securely on the frame cross bars.

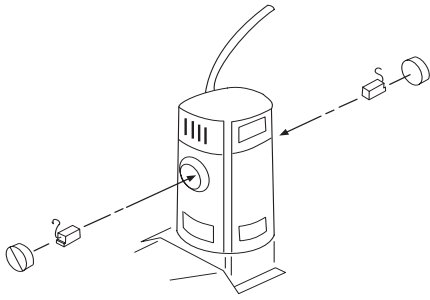


WARNING

Turn off the switch and unplug the saw from the power source before removing the pan.



brush removal and replacement



After extended use the need may arise for the brushes to be replaced (when approximately 1/4" of the brush remains). First, using a flat bladed screwdriver, remove the brush cup from the motor cover, by unscrewing the cap screws. Remove the old brush from it's holder and replace with the new brush. Remove and replace the other brush. Reinstall the brush caps and tighten the cap screws.



WARNING

Turn off the switch and unplug the motor from the power source before inspecting or replacing brushes.

NOTICE: Use only MK DIAMOND authorized brushes to insure compatibility and avoid motor damage.

Trouble Shooting



WARNING

For your safety, turn off the switch and unplug the saw from the power source before performing any troubleshooting adjustment.

if motor won't stay on

Check Ground Fault Interruption Switch. Check for correct extension cord size. Check voltage and circuit breaker from power source. Use 20 amp power. Check the integrity of the brushes.

if blade won't cut

Check for worn out diamond edge. Check that blade is rotating in the same direction as the rotation arrows. Check that the blade is the correct specification for the material being cut.

if conveyor table won't move smoothly

Check that the guide bar cover is not secured. Check that the guide bar is clean and free of dirt. Lubricate guide bar periodically with light machine oil per maintenance instructions.

if water won't flow evenly to both sides of the blade

Check that the water line is clear of dirt. Check that the water jets in the blade guard are clear. Check that the pump filter is not clogged.

Parts Listing- MK-1070 Tile Saw

MK-1070 Parts List

Models

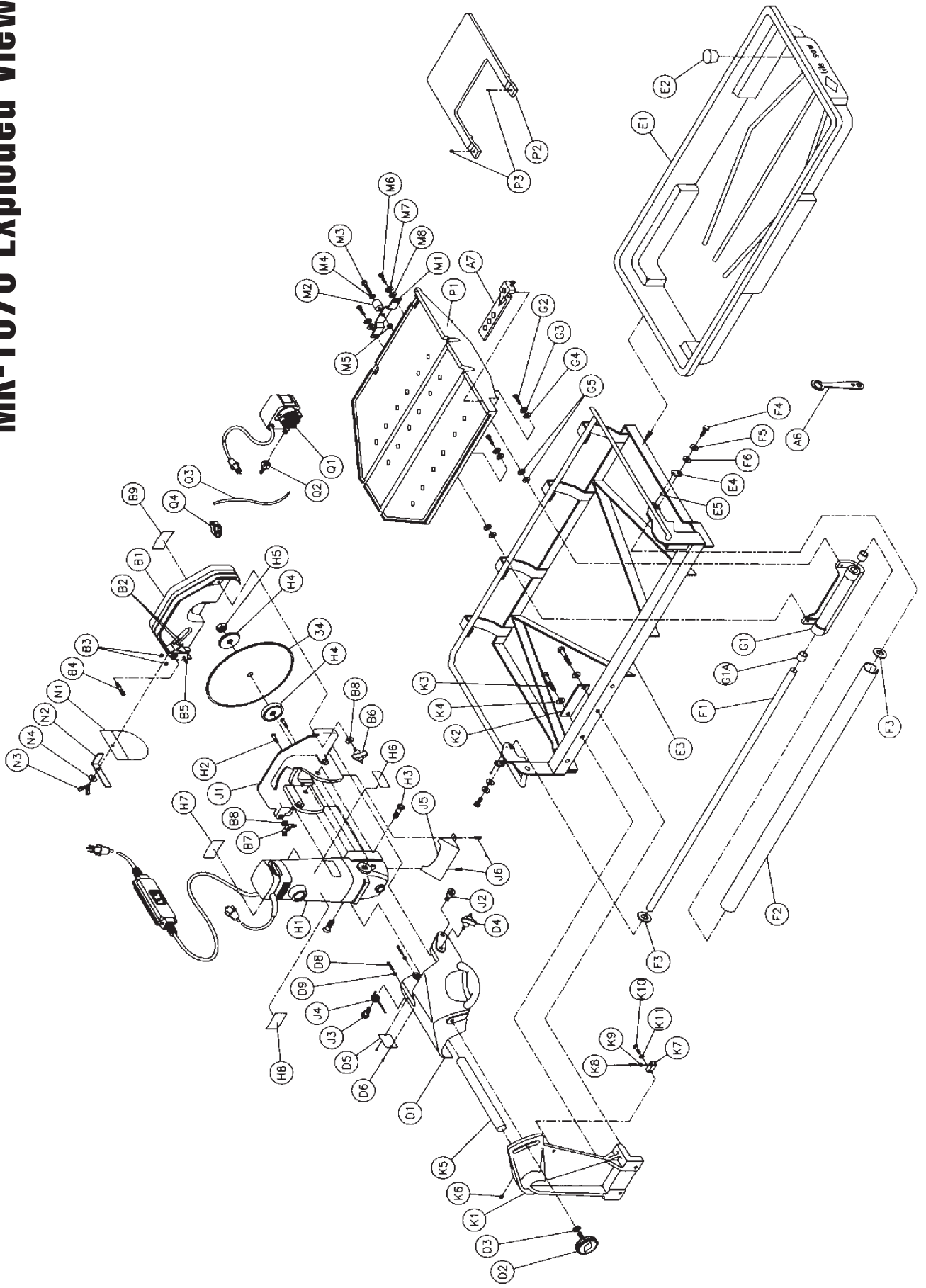
| Part # | Description |
|--------|---------------------------------------|
| 155882 | MK-1070 Tile Saw 120V/17.6A |
| 155885 | MK-1070 Tile Saw 240V/7.5A |
| 156182 | MK-1070 Tile Saw 240V/7.5A, Australia |

| Item | Description | Qty | Part # |
|------|---|-----|--------|
| A | Assembly, Accessory Pack | n/a | n/a |
| A1 | Carton, Accessory Pack | 1 | 156178 |
| A2 | Foam, Accessory Pack Carton | 1 | 156179 |
| A3 | Owner's Manual, 1070 | 1 | 156172 |
| A4 | Card, MK Warranty Registration | 1 | 155037 |
| A5 | Blade, MK-415 Continuous Rim Wet Tile, 10 Dia. X 5/8 arbor X .080 X 10mm segment | 1 | 155619 |
| A6 | Wrench, Blade Nut, 15/16 Closed End | 1 | 134684 |
| A7 | Casting, Rip Guide | 1 | 134551 |
| A8 | Casting, Large Rip Guide | 1 | 154014 |
| A9 | Casting, Dual 45° Flat Angle Guide | 1 | 134577 |
| A10 | Protractor | 1 | 134569 |
| A12 | Stick, Dressing, 60 Grit, 8 X 2 X 1 | 1 | 152792 |
| B | Assembly, Blade Guard | n/a | n/a |
| B1 | Casting, Blade Guard | 1 | 155699 |
| B2 | Tube, 2.5" Water | 2 | 155512 |
| B3 | Screw, 5/16-18 X 1/4 Socket Head Set | 2 | 152607 |
| B4 | Fitting, Brass, 1/8 MNPT X 1/4 BARB | 1 | 155809 |
| B5 | Stud, 5/16-18 X 1 1/2, Full Thread | 1 | 153680 |
| B6 | Knob, Davies | 1 | 151681 |
| B7 | Wingnut, 5/16-18 Nylock | 1 | 151746 |
| B8 | Washer, 5/16 SAE Flat | 2 | 151754 |
| B9 | Label, Caution, Hearing Protection | 1 | 156687 |
| C | Assembly, Carton | n/a | n/a |
| C1 | Carton | 1 | 156268 |
| C2 | Pallet | 1 | 153901 |
| D | Assembly, Cutting Head | n/a | n/a |
| D1 | Head, Cutting | 1 | 155692 |
| D2 | Knob, 3/8-16 X 1 Adjustment | 1 | 137786 |
| D3 | Washer, 3/8 SAE Flat | 1 | 150923 |
| D4 | Knob, 3/8-16 X 1 Three Prong | 1 | 156175 |
| D5 | Tag, Serial Number | 1 | 156173 |
| D6 | Tack, Metal. 1/4 Head | 2 | 155659 |
| D7 | Screw, 10-32 X 1 Hex Head Cap | 2 | 156270 |
| D8 | Nut, 10-32 Hex | 2 | 156269 |
| E | Assembly, Frame | n/a | n/a |
| E1 | Pan, Water | 1 | 153262 |
| E2 | Plug, Rubber Drain | 1 | 153439 |
| E3 | Frame, 21 X 41 | 1 | 153209 |
| E4 | Plate, Adjustment | 2 | 151758 |
| E5 | Pin, 3/16 X 3/8 Roll | 2 | 151783 |
| F | Assembly, Guide Bar | n/a | n/a |
| F1 | Bar, 3/4 X 37 Guide | 1 | 153492 |
| F2 | Cover, Guide Bar | 1 | 153219 |
| F3 | Spacer, Guide Bar Cover | 2 | 152393 |
| F4 | Screw, 5/16-18 X 1 Hex Head Cap | 2 | 151743 |
| F5 | Washer, 5/16 Split Lock | 2 | 151747 |

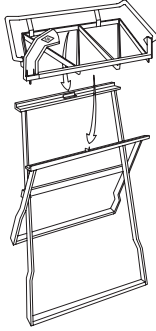
| | | | |
|-----|--|--------|--------|
| F6 | Washer, 5/16 SAE Flat | 2 | 151754 |
| G | Assembly, Linear Bearing | n/a | n/a |
| G1 | Casting, Linear Bearing | 1 | |
| A) | Bearing, Multilube | 2 | 135855 |
| | | 152227 | |
| G2 | Screw, 5/16-18 X 1 Hex Head Cap | 2 | 151743 |
| G3 | Washer, 5/16 Split Lock | 2 | 151747 |
| G4 | Washer, 5/16 SAE Flat | 2 | 151754 |
| G5 | Shim, .004 X 5/16 ID X 1/2 OD | ~4 | 152519 |
| H | Assembly, Motor, 120V | n/a | n/a |
| H1 | Motor, 120V/15A | 1 | 155533 |
| H2 | Screw, 10-32 X 3/4 Flat Head Phillips Cap | 2 | 153902 |
| H3 | Screw, 14mm X 30mm Flat Head Socket Cap | 2 | 156174 |
| H4 | Flange, 2-3/8 Blade | 2 | 135830 |
| H5 | Nut, Blade Shaft, 5/8-16 UNF Hex | 1 | 135848 |
| H6 | Label, Warning, Read Owner's Manual | 1 | 155806 |
| H7 | Label, Caution, GFCI, 1 X 2 1/8 | 1 | 155678 |
| H8 | Label, Caution, 1 Amp Max., 1 X 2 1/8 | 1 | 154822 |
| HA | Assembly, Motor, 240V | n/a | n/a |
| HA1 | Motor, 240V/7.5A | 1 | 156180 |
| HA2 | Screw, 1/4-20 X 3/4 Flat Head Phillips Cap | 2 | 154657 |
| HA3 | Screw, 14mm X 30mm Flat Head Socket Cap | 2 | 156174 |
| HA4 | Flange, 2-3/8 Blade | 2 | 135830 |
| HA5 | Nut, Blade Shaft, 5/8-16 UNF Hex | 1 | 135848 |
| HA6 | Label, Warning, Read Owner's Manual | 1 | 155806 |
| HA7 | Label, Caution, GFCI, 1 X 2 1/8 | 1 | 155678 |
| HA8 | Plug, NEMA6-15P 220V/15A | 1 | 155391 |
| HB | Assembly, Motor, 240V, Australia | n/a | n/a |
| HB1 | Motor, 240V/7.5A | 1 | 156180 |
| HB2 | Screw, 1/4-20 X 3/4 Flat Head Phillips Cap | 2 | 154657 |
| HB3 | Screw, 14mm X 30mm Flat Head Socket Cap | 2 | 156174 |
| HB4 | Flange, 2-3/8 Blade | 2 | 135830 |
| HB5 | Nut, Blade Shaft, 5/8-16 UNF Hex | 1 | 135848 |
| HB6 | Label, Warning, Read Owner's Manual | 1 | 155806 |
| HB7 | Label, Caution, GFCI, 1 X 2 1/8 | 1 | 155678 |
| HB8 | Plug, 240V/10A Australia | 1 | 156267 |
| J | Assembly, Motor Mount | n/a | n/a |
| J1 | Mount, Motor | 1 | 155694 |
| J2 | Screw, 1/2 X 3/4 Socket Head Shoulder, w/ 3/8-16 X 5/8 thread | 1 | 156177 |
| J3 | Screw, 1/2 X 1-1/4 Socket Head Shoulder, w/ 3/8-16 X 5/8 thread | 1 | 156176 |
| J4 | Spring, Miter | 1 | 155696 |
| J5 | Deflector, Air | 1 | 155695 |
| J6 | Screw, 10-24 X 1/2 Pan Head Phillips Cap | 2 | 151744 |
| K | Assembly, Post | n/a | n/a |
| K1 | Casting, Post | 1 | 155670 |
| K2 | Plate, Pressure | 1 | 155671 |
| K3 | Screw, 3/8-16 X 2 1/2 Hex Head Cap | 2 | 227178 |
| K4 | Washer, 3/8 Split Lock | 2 | 150925 |
| K5 | Shaft, 10.63" Pivot | 1 | 153254 |
| K6 | Screw, 3/8-16 X 1/2 Socket Head Set | 1 | 153710 |
| K7 | Stop, Cutting Head | 1 | 156256 |
| K8 | Screw, 10-32 X 1 Pan Head Slotted Cap | 1 | 156270 |
| K9 | Nut, 10-32 Hex | 1 | 156269 |
| K10 | Screw, 1/4-20 X 1 1/4 Hex Head Cap | 1 | 152122 |
| K11 | Washer, 1/4 Split Lock | 1 | 152591 |

| | | | |
|-----|--|-----|---------|
| M | Assembly, Roller Wheel | 1 | 151756 |
| M1 | Bracket, Roller Wheel | 1 | 154021 |
| M2 | Wheel, Roller | 1 | 151799 |
| M3 | Screw, 1/4-20 X 1 1/2 Hex Head Cap | 1 | 151914 |
| M4 | Washer, 1/4 SAE Flat | 1 | 151915 |
| M5 | Nut, 1/4-20 Hex | 1 | 151893 |
| M6 | Screw, 5/16-18 X 1 Hex Head Cap | 2 | 151743 |
| M7 | Washer, 5/16 Split Lock | 2 | 151747 |
| M8 | Washer, 5/16 SAE Flat | 2 | 151754 |
| N | Assembly, Splash Curtain | n/a | n/a |
| N1 | Curtain, Splash | 1 | 134841 |
| N2 | Bracket, Splash Curtain "L" | 1 | 155901 |
| N3 | Wingscrew, 1/4-20 X 1/2 | 1 | 151888 |
| N4 | Washer, 1/4 SAE Flat | 1 | 151915 |
| P | Assembly, Table | n/a | n/a |
| P1 | Table | 1 | 154440 |
| P2 | Table, Large Extension | 1 | 154499 |
| P3 | Screw, 1/4-20 X 1/2 Socket Head Set | 2 | 155804 |
| Q | Assembly, Water Pump, 120V | 1 | 151271- |
| MK | | | |
| Q1 | Pump, Water, 120V | 1 | 151271 |
| Q2 | Fitting, Plastic, 1/4 FNPT X 1/4 BARB | 1 | 128397 |
| Q3 | Hose, Vinyl, 1/4 ID | 2' | 132951 |
| Q4 | Clamp, Flow, 1/4-1/2 | 1 | 154394 |
| Q5 | Owner's Manual, Water Pump | 1 | 155745 |
| Q6 | Carton, Water Pump | 1 | 154016 |
| Q7 | Insert, Foam, Water Pump | 1 | 154017 |
| QA | Assembly, 240V Water Pump | 1 | 151714- |
| MK | | | |
| QA1 | Pump, 240v Water | 1 | 151714 |
| QA2 | Elbow, Plastic, 90°, 1/4 MNPT X 1/4 FNPT | 1 | 151018 |
| QA3 | Fitting, Plastic, 1/4 FNPT X 1/4 BARB | 1 | 128397 |
| QA4 | Hose, Vinyl, 1/4 ID | 2' | 132951 |
| QA5 | Clamp, Flow, 1/4-1/2 | 1 | 154394 |
| QA6 | Plug, Nema 5-15P 15A/120V | 1 | 150869 |

MK-1070 Exploded View



Optional Accessories



Stand- the sturdy and strong, tubular steel folding stand raises the MK-1070 to a comfortable working height, and allows easy portability. When setting the saw on the stand, be sure that the saw frame seats firmly in the stand brackets. The “point” of the V-strut of the saw frame fits over the small V-shaped stand bracket, and the strut opposite the point fits over the large stand bracket. (part # 153331)

MK Diamond 1 Year Limited Warranty

MK Diamond under this warranty is expressly limited to the repair or replacement, at its option, that are proven to be defective in materials or workmanship under normal use during the applicable warranty time period. All repair and replacement will be performed at MK Diamond Products, Torrance, California, or at a service facility designated by MK Diamond. The warranty of defective materials or workmanship is limited to such part or parts as inspection shall disclose to have been defective. This warranty does not apply to defects caused by damage, unreasonable use, faulty repairs made by others or defects caused by failure to provide reasonable maintenance, while in the possession of the consumer. Anything replaced under the warranty becomes the property of MK Diamond Products, Inc. All parts replaced under warranty will be considered as part of the original product and any warranty on these parts will expire coincidentally with the original product warranty.

Parts, installed by an authorized repair center will be repaired or replaced under warranty without charge for parts or labor. If installed by anyone else, replacement parts will be repaired or replaced under warranty without charge for parts, but any labor charges will be the responsibility of the purchaser. This warranty is void if the product, or any of its components, are altered or modified by the consumer purchaser, or if the product is used in a manner or with a blade not recommended by the manufacturer.

MK Diamond disclaims any responsibility for loss of time or use of the equipment, transportation, commercial loss or any other incident or consequential damage. Any implied warranties are limited to the duration of this written limited warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions and limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Exclusions

MK does not warrant the following components, which carry their own manufacturer's warranty for the indicated periods:

- **Gasoline Engines** (Manufacturer's Warranty Period)

| <u>Description</u> | <u>Length of Warranty</u> |
|--------------------|---------------------------|
| Kohler | 2 years |
| Wisconsin Robin | 2 years |
| Honda | 2 years |
| Briggs & Stratton | 2 years |

- **Transmissions** (Manufacturer's Warranty Period)

| <u>Description</u> | <u>Length of Warranty</u> |
|--------------------|---------------------------|
| Eaton | 3 years |

- **Electric Motors** (Manufacturer's Warranty Period)

| <u>Description</u> | <u>Length of Warranty</u> |
|--------------------|---------------------------|
| Baldor | 1 year |
| Leeson | 1 year |
| Milwaukee | Lifetime |
| Black & Decker | 1 year |
| FLEX/Intercraft | 1 year |
| RAE | 1 year |

The foregoing express warranties are in lieu of all other warranties. MK disclaims all other warranties, including, without

Diamond Blade and Core Bit Warranty

- **Laser Welded Blade and Bit Warranty**

If the laser weld between the segment and the steel core or barrel fails during the normal use, the blade or bit will be replaced free of charge.

- **Brazed Blade and Bit Warranty**

If the brazed bond between the segment and the core or barrel fails within the first .050 of segment wear, the blade or bit will be replaced free of charge.

- **Continuous Rim Blade Warranty**

If the bond between the rim and the core fails during normal use of the blade, the blade will be replaced free of charge.

These implied warranties do not cover abuse to, or misapplication of the blade or bit. MK Diamond under this warranty is expressly limited to the replacement or repair at MK Diamond's Torrance manufacturing facility.

Model MK 1070
Owner's Manual
Parts List &
Operating
Instructions

HOW TO ORDER REPAIR PARTS

please have the following
information ready before calling:

SERIAL NUMBER OF YOUR SAW
MODEL NUMBER OF SAW
WHERE PURCHASED AND WHEN
PART NUMBER
PART DESCRIPTION

all parts listed may be ordered from
your local distributor or from mk diamond. If the part
is not stocked locally, call our toll free number listed
below and ask for our customer service department.
For technical support call: 1 (800) 474-5594 or
1 (310) 257-2845.

RETURNED MERCHANDISE POLICY

Should you need to return any product you have
purchased from MK Diamond, please observe the
following:

Our customer service department should be
contacted for approval to return merchandise.
Merchandise will not be accepted without a
RETURNED GOODS authorization number. All
returned merchandise must be shipped prepaid to
destination. All returned merchandise must have
been purchased within the previous 12 months. A
restocking charge of 15% may be billed.