

MK-1503SS

OWNER'S MANUAL

OPERATING INSTRUCTIONS



Revision 102	09.2015
Manual Part# 169263	

Caution: Read all safety and operating instructions before using this equipment. This parts list **MUST** accompany the equipment at all times.

INTRODUCTION

Congratulations on your purchase of a MK-1503SS Wet Stone Polisher. 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-1503SS 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-1503SS safely and correctly. Please take the time to familiarize yourself with the MK-1503SS by reading and reviewing this manual.

Read and follow all safety, operating and maintenance instructions.

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

Regards,

MK Diamond

NOTE THIS INFORMATION FOR FUTURE USE:

MODEL NUMBER:	
SERIAL NUMBER:	
PURCHASE PLACE:	
PURCHASE DATE:	

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

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

SAFETY MESSAGES

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



DANGER You **WILL** be **KILLED** or **SERIOUSLY INJURED** if you **DO NOT** follow directions.



WARNING You **CAN** be **KILLED** or **SERIOUSLY INJURED** if you **DO NOT** follow directions.



CAUTION You **CAN** be **INJURED** if you **DO NOT** follow directions. It may also be used to alert against unsafe practices.

DAMAGE PREVENTION AND INFORMATION MESSAGES

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

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

GENERAL SAFETY PRECAUTIONS AND HAZARD SYMBOLS

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



ALWAYS read this Owner's Manual before operating the machine. **DO NOT** operate or service this equipment before reading this entire manual. Read and understand all warnings, instructions and controls on the machine. Know how to stop the equipment quickly in case of emergency. It is the operators responsibility to use this machine under safe working conditions and conform with federal, state and local codes or regulations pertaining to safety, air, pollution, noise etc...



ALWAYS keep the Blade and Belt Guards in place. **DO NOT** operate this machine with any guard or safety device removed. A Guard, or any damaged part should be repaired or replaced immediately.



NEVER operate this equipment without proper protective clothing, shatterproof glasses, steel-toed boots and other protective devices required by the job. Non-slip foot wear is recommended.

**PERSONAL PROTECTIVE EQUIPMENT**

ALWAYS wear approved respiratory, head, ear and eye protection when operating this machine.

**ACCIDENTAL STARTS!**

Before starting the engine/motor, be sure the **ON/OFF** switch is in the **OFF** position to prevent accidental starting. Place the **ON/OFF** switch in the **OFF** position before performing any service operation. **ALWAYS** place the power **ON/OFF** switch in the **OFF** position when the machine is not in use.

**ROTATING PARTS**

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

**HOT PARTS!**

Engine components can become extremely hot from operation. To prevent severe burns, do not touch these areas while the engine is running, or immediately after it is turned off. Never operate the engine with heat shields removed.

**OVER SPEED**

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

**ELECTRICAL SHOCK**

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



ALWAYS avoid inhalation of and skin contact with silica dust and/or mist. Provide proper dust removal. Use dust-collection system when applicable.



NEVER operate the machine in an explosive atmosphere or near combustible materials. Sparks from the cutting-action of this machine can ignite flammable materials, liquids, gases or dust.



This equipment should not be operated by persons under 18 years of age.

**KEEP CHILDREN AWAY**

All visitors and children should be kept a safe distance from work area. Maintain a safe operating distance to other personnel.

**MAKE THE WORKSHOP KID PROOF**

Make the workshops kid proof by using padlocks, master switches or by removing starter keys.

**DO NOT FORCE THE TOOL**

A power tool will do a job better and safer operating at the rate for which it was designed. **DO NOT** force a tool or an attachment to do a job that it was not designed to do.

**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.

**SECURE WORK**

Clamps or a vise should be used to hold work whenever practical. Keeping your hands free to operate a power tool is safer.

**DO NOT OVERREACH**

Keep proper footing and balance at all times by not overreaching.

**DISCONNECT TOOLS**

Power tools should always be disconnected before servicing, adjusting or when changing accessories, such as blades, bits, cutters, and the like.

**MAINTAIN TOOLS WITH CARE**

Keep tools clean and maintained for the best and safest performance. Always follow maintenance instructions and examine the machine before use. If any abnormal vibrations or noises occurs, turn off machine immediately and have the problem corrected before further use.

**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. Keep area around machine clear of obstructions which could cause persons to fall.

**DO NOT USE IN DANGEROUS PLACES**

DO NOT operate equipment in dangerous or hazardous environments. **DO NOT** use power tools in damp or wet locations nor expose them to rain. Always keep the work area well lighted.

**USE RECOMMENDED ACCESSORIES**

Consult the owner's manual for recommended accessories. Using improper accessories may increase the risk of personal or by-stander injury. Unauthorized equipment modifications will void all warranties. Manufacturer does not assume responsibility for any accident due to equipment modifications.



ALWAYS ensure that the machine is on level ground before using.

**NEVER STAND ON THE TOOL**

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

**TRANSPORT**

When loading or unloading the machine, use caution. Remove the blade prior to hoisting, loading and transporting the machine.

**CHECK FOR DAMAGED PARTS**

Before using a power tool, check for damaged parts. A guard or any other part that is damaged should be carefully checked to determine if 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. Always check the machine for loose bolts before starting.

**DIRECTION OF ROTATION**

A blade or cutter should always be installed so that rotation is in the direction of the arrow imprinted on the side of the blade or cutter. It should correspond with the rotational direction of the motor. Always feed work into a blade against the direction of rotation.

**NEVER LEAVE A TOOL UNATTENDED**

TURN POWER OFF - Do not leave a tool until it comes to a complete stop. **ALWAYS** turn a power tool **OFF** when leaving the work area, or, when a cut is finished.



NEVER disconnect any "emergency or safety devices". These devices are intended for operator safety. Disconnection of these devices can cause severe injury, bodily harm, or even death! Disconnection of any of these devices will void all warranties. Unauthorized equipment modifications will void all warranties. Manufacturer does not assume responsibility for any accident due to equipment modifications.



NEVER use this machine with any cutter designed for woodworking.



NEVER operate this equipment when not feeling well due to fatigue, illness or taking medicine.



NEVER operate this equipment under the influence of drugs or alcohol.



On belt driven equipment, overtensioning of belts will result in premature crank and/or bearing failure.



Whenever necessary, replace nameplate, operation and safety decals when they become difficult to read.



ALWAYS store equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children



DO NOT lend or rent this equipment without including the Owner's Manual and the Engine/Motor Manufacturer's Manual.



Check the chemical properties of the material to be cut/grinded and follow all EPA/OSHA Regulations.

SILICA DUST WARNING

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

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

<http://www.cdc.gov/niosh/topics/respirators>

Observe OSHA regulations for respirator use (29 C.F.R. §1910.134).

Visit <http://www.osha.gov> for more information.

CALIFORNIA PROPOSITION 65 MESSAGE

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

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

For further information, consult the following sources:

<http://www.osha.gov/dsg/topics/silicacrystalline/index.html>

<http://www.cdc.gov/niosh/docs/96-112/>

<http://oehha.ca.gov/prop65/law/P65law72003.html>

<http://www.dir.ca.gov/Title8/sub4.html>

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles. Where use of a dust extraction device is possible, it should be used. To achieve a high level of dust collection, use an industrial HEPA vacuum cleaner. Observe OSHA 29 CFR part 1926.57 and 1926.103.



WARNING

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

ELECTRIC MOTOR SAFETY

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



CAUTION



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



DO NOT operate electric motor in an explosive environment.



DO NOT EXPOSE TO RAIN

DO NOT expose to rain or use in damp locations.



WARNING



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



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



WARNING

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



WARNING

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

ELECTRICAL REQUIREMENTS AND GROUNDING INSTRUCTIONS

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



WARNING

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

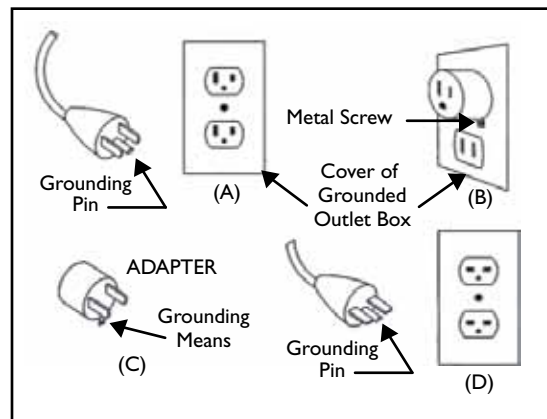
- Do not modify the plug provided – if it will not fit the outlet; have the proper outlet installed by a qualified electrician
- Improper connections of the equipment-grounding conductor can result in a risk of electric shock. The equipment-grounding conductor is the insulated conductor that has an outer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



WARNING

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

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



Circuit and Adapter Information

**WARNING**

The polisher requires a Ground Fault Circuit Interrupter (GFCI). To reduce the risk of electrocution, keep all connections dry and off the ground. A GFCI is provided as an integral part of the power cord for the tool. Receptacles are available having built-in GFCI protectors and may be used with this equipment. When using an extension cord, the GFCI in the power cord and extension cord connections need to be kept dry and off the ground.

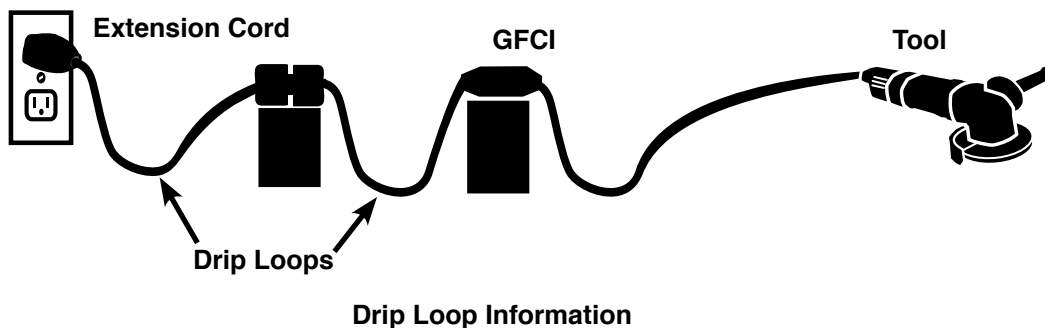
**WARNING**

To avoid the possibility of the in-line GFCI getting wet, position it to the side of the work area. A “drip loop” shown in the picture below, should be arranged by the user to properly protect the GFCI.

The “drip loop” is that part of the cord below the level of the GFCI or the connector, if an extension cord is used. This method of positioning the cord prevents water traveling along the power cord, coming in contact with the GFCI, extension cord connections or receptacle.

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

NOTE: Drip Loop Information - Raise GFCI and plug off the floor with a cardboard carton or brick or other non-conductive support to prevent water from traveling along the power cord.



**WARNING**

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

ALWAYS make certain that the power source required for the electric motor is correct and always use the correct NEMA configuration plug. Motors can burn out when the line voltage falls 10% below the voltage rating of the motor. Failure to use proper voltage will cause the motor to overheat. Make certain that the correct size grounded (3-wires) extension cord is used.

**WARNING**

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

To choose the proper extension cord,

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

MOTOR SPECS			EXTENSION CORD LENGTH			
Motor	Voltage	Amps	25'	50'	100'	200'
•	120V 1 Ph	16	14 ga	14 ga	10 ga	8 ga

PRODUCT SPECIFICATIONS

The MK-1503SS is a versatile Wet Stone Polisher. Operated and used according to this manual, the MK-1503SS will provide years of dependable service.

General Description

The MK-1503SS Wet Stone Polisher is engineered as a handheld Wet Stone Polisher. The polisher is designed with a powerful 120V motor in a rugged plastic housing. MK-1503SS Part# 167556, MK-1503SS Kit Part # 157493-MK

Motor Specifications

Motor specifications for the MK-1503SS are listed in the table below.

Voltage	120V
Amperage	16
Frequency	50/60 Hz
RPM	3200 rpm
Weight	6 lbs.

Polishing Pad Capacity

The MK-1503SS uses a three (3), four (4), or five (5) inch (76, 102, or 127 mm) diameter, wet polishing pad.

Tile Types

The MK-1503SS can polish all variety of tile types including Porcelain, Terracotta, Marble, Quarry and Slate, or almost any other non-ferrous material

Replaceable Motor Brushes

The MK-1503SS is equipped with replaceable motor brushes to extend operating life.

Serial Number and Product Specification Label Location

The Serial Number and Product Specification Label is located on the right side of the MK-1503SS as shown.















UNPACKING

Your MK-1503SS Wet Stone Polisher has been shipped from the factory thoroughly inspected. Only minimal assembly is required.

CONTENTS

NOTE: The contents of your container will vary depending on if you purchased the standard unit or the Kit.

In your container, you will find one (1) MK-1503SS, one (1) Handle, one (1) D-Handle, one (1) Motor Cover, two (2) Motor Cover Bolts, one (1) Shroud, one (1) Shaft Wrench, one (1) Plastic Carrying Case, one (1) Owner's Manual and one (1) Warranty Card. Kit Only: One (1) set of Polishing Pads, and One (1) Rubber Backer Pad.

				
MK-1503S	Handle	D-Handle	Motor Cover	Motor Cover Bolts
				
Shroud	Shaft Wrench	Plastic Carrying Case	Owner's Manual	Warranty Card
				
Polishing Pad Set (Kit Only)	Rubber Backer Pad (Kit Only)			

Handle

You have a choice of using a straight Handle or D-Handle.



(A)
Place D-Handle on polisher and
insert bolt.



(B)
Tighten bolts on both sides.



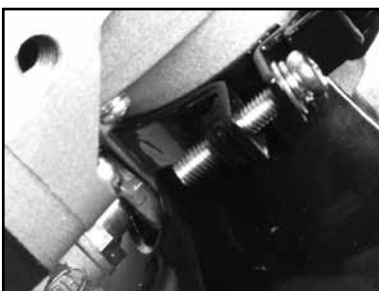
(C)
Or install the straight handle by
rotating clockwise to tighten. It
may be installed on left or right
side.

NOTE: The D-Handle and the motor cover cannot be used at the same time.

Shroud



(A)
Place Shroud on polisher
with the lever clamp open.



(B)
Use the adjusting screw
to open the collar to the
correct size.



(C)
Secure Shroud by closing
lever clamp.

Motor Cover



(A)
Slide on Motor Cover and
secure with bolts.

NOTE: The Motor Cover is designed to allow the user to apply pressure directly to the polisher's gear box without feeling the heat created by the tool.

Pre-start Inspection

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



(A)

Verify the ON/OFF Switch is in the OFF position.



(B)

Inspect for missing or damaged components.



(C)

Test and reset the GFCI. If it does not test and reset properly, replace immediately.

NOTE: The indicator light on the GFCI should glow red. The red light should go out when the TEST button is pressed. This indicates that the GFCI is functioning properly. Press the RESET to reactivate the GFCI.

Setup for Operation

- NOTE:**
1. Velcro Backer Pads may be used for MK Diamond products such as diamond polishing discs, sandpaper discs, and felt buffing discs. Choose the correct Backer Pad for the job being performed; rubber Backer Pads for contours edges, and bullnose surfaces. Rigid Backer Pads for straight edges and flat surfaces.
 2. Located on the top of the gear box is a shaft lock button. Press it to stop shaft from spinning when installing backer plate. Do not press shaft lock button when polisher is running.



(A)

Install the Backer Pad onto the Spindle (Do not cross-thread)



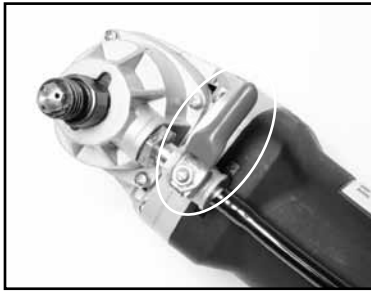
(B)

Tighten the Backer Pad while pressing shaft lock bottom.



(C)

Plug the GFCI into a power outlet and test the GFCI for proper operation.



(D)

Verify the Cooling Flow Control Valve is closed.



(E)

Connect Cooling Supply Line to a water supply.

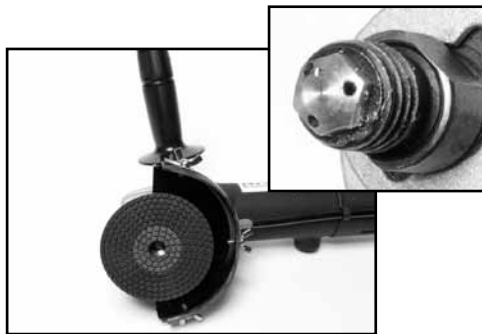
Pad Installation for Polishing

- NOTE:** 1. Choose the correct Polishing Disc for the material to be polished (start with a 50, 120 or 220 coarse grit Pad).



(A)

Align the Velcro Polishing Disc to the Backer Pad. Press disc evenly and firmly onto the Backer Pad.



(B)

Verify the Polishing Disc is centered on the Backer Pad and the Cooling Ports are not covered.

Material Setup



(A)

If necessary, clamp the material to be polished to a work surface.

Polishing Operation

NOTE: Smoothing of the surface during the use of the coarse polishing discs will determine the quality of the finish that is achieved.



(A)
Place the ON/OFF Switch
in the ON position.



(B)
Adjust water flow
(excessive water flow can result
in internal electrical problems).



(C)
Using the coarse grit disc, re-
move all rough scratches
and cut marks.



(D)
After working the area, shut
the water supply off.



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

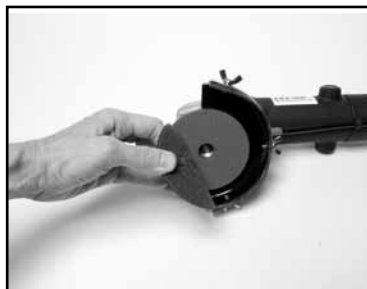


(F)
Dry surface then rub the surface
with a lumber crayon to deter-
mine the depth of the remaining
scratches.

NOTE: Once all of the large scratches and marks have been removed, use the finer grit polishing discs (400, 800, 1800 and 3500) for a quality finish. For a higher luster/color, finished surface, use the extremely fine 8500 grit polishing disc.



(G)
Repeat Steps A through F
until all large scratches have
been removed.



(H)
Change to fine grit discs for
a quality finish.



(I)
Repeat Steps A through F using
fine grit discs to complete polish-
ing of the surface.

NOTE: For a mirror finish, make a paste of cerium oxide and water (or tin oxide and water) apply the paste to a felt wheel and run the wheel against the surface using only slight pressure. Once the paste dries, wash the surface with water and dry.

Cleaning



(A)

Clean using a damp cloth.
Dry when finished cleaning.

Motor Brush Change-Out



(A)

Using a flat blade screwdriver
remove the Motor Brush
Housing cover.



(B)

Remove the Motor Brush
Assembly.



(C)

Ensure the Motor Brush Housing
is free of all carbon pieces.

NOTE: When performing Steps E and F, ensure the Motor Brush Assembly remains correctly seated at all times.



(D)
Insert the new Motor Brush Assembly.



(E)
Using a flat blade screwdriver install the Motor Brush Housing cover.



(F)
Repeat Steps A through E for second Motor Brush Assembly.

Loss of Cooling Flow



(A)
Verify the Water Flow Control Valve is open.



(B)
Ensure the Water Supply Line is connected properly.

Electrical Problems



(A)
Verify the ON/OFF Switch is in the ON position.



(B)
Verify all electrical connections and ensure the GFCI is not tripped



(C)
Verify circuit breaker is not tripped, if it is tripped – reset the circuit breaker once.



(D)

Check power source voltage is 120V, if it is not 120v – move to another circuit.



(E)

Inspect the Motor Brushes.



Polishing pads are designed to achieve a monument quality finish on all straight or shaped surfaces. The unique design of the polishing pads allows for rapid and even surface removal rates of the material being polished with minimal effort. When used correctly, these pads provide a clear advantage over all other polishing methods.

Important Points in the Polishing Process




Polishing pads are designed for use with water only, to minimize the wear on the pads and prevent hazardous dust. Water acts to cool the polishing pad material, flush away grindings, and eliminate hazardous dust.

Never skip grit sizes during the polishing process. Skipping polishing pads of different grit sizes will result in an unsatisfactory finish to the polished surface.

Diamond polishing pads wear out prematurely due to the overworking of the material or by not using a sufficient amount of water. Failure to spend adequate time polishing with each grit size pad will result in an unsatisfactory finish.

Selection of the flexible Velcro™ (rubber) backer pads for shaping and curved work is highly recommended. Use the rigid backer pad for the straight edge and flat face material.

ACCESSORIES

ITEM	NUMBER	DESCRIPTION	PRODUCT
1	Various, see Catalog or visit our web site at: www.mkdiamond.com or call 800.421.5830	Polishing Discs	
2	Various, see Catalog or visit our web site at: www.mkdiamond.com or call 800.421.5830	PVA Dry Grinding Discs	
3	Various, see Catalog or visit our web site at: www.mkdiamond.com or call 800.421.5830	MK-404PW Cup Wheel	
4	Various, see Catalog or visit our web site at: www.mkdiamond.com or call 800.421.5830	Diamond Cup Wheels	
5	Various, see Catalog or visit our web site at: www.mkdiamond.com or call 800.421.5830	PVQ Dry Grinding Discs	
6	155795	4" Rubber Backer Plate	

Item	Description	Part#
1	ARBOR SHAFT	168977
2	HOSE JOINT	168978
3	BEARING CASE	168979
4	OIL SEAL	168980
5	WASHER	168981
6	BEARING 6201-2RS	168982
7	HANDLE	168983
8	SCREW	168984
9	O-RING	168985
10	BEARING CAP	168986
11	HELICAL GEAR	168987
12	BEARING 607-2Z	168988
13	GEARBOX	168989
14	RETAINING RING	168990
15	SCREW M4 X 10	168991
16	CENTER PLATE	168992
17	BEARING 6001-2RS	168993
18	KNOB	168995
19	MOTOR HOUSING	168996
20	FIELD COIL	168997
21	ARMATURE	168998
22	LEVER	168999
23	BEARING SLEEVE	169000
24	SWITCH	169001
25	END CASE	169002
26	CODE DOME	169003
27	SCREW ST4.0 X 15 - F - H	169004
28	SCREW ST4.0 X 10 - F - H	169005
29	VARIABLE ADJUSTMENT	169006
30	CORD SLEEVE	169007
31	POWER SUPPLY CORD	169008
32	SPRING	169009
33	STOPPER PIN	169010
34	STOPPER PIN KNOB	169011
35	KEY	169012
36	SCREW ST4.0 X 30 - F - H	169013
37	WATER SPREAD NUT	169014
38	CARBON BRUSH	166631
39	CARBON HOLDER	169015
40	HOLDER CAP 169016	169016
41	NAMEPLATE	169017
42	SCREW M4 X 12	169018
43	GEARBOX COVER	169019
44	VALVE	169020

NOTES

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, MasterCard or American Express.

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

- The Model Number of the polisher
- The Serial Number of the polisher
- Where the polisher 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 polisher
- Have the Serial Number of the polisher
- Have the location of where the polisher was purchased
- Have the date when the polisher 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 shroud, backerplate and handle
- Dry the polisher before shipping
- When packing, include the following: MK-1500SS Wet Stone Polisher and shroud
- 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 to you or visit our web site at www.mkdiamond.com. For technical questions, call – 800 474-5594.

MK-1503SS
OWNER'S MANUAL & OPERATING INSTRUCTIONS



MK Diamond Products, Inc.

MK Diamond Products, Inc.
1315 Storm Parkway
Torrance, CA 90501

Toll-Free: (800) 421-5830
Phone: (310) 539-5221
Fax: (310) 539-5158
www.mkdiamond.com