

BARRANCA DIAMOND

# BD-2321WR PNEUMATIC WET POLISHER

## OWNER'S MANUAL & PARTS LIST



Revision 103	01.2020
Manual Part # 160458-OM	

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

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## INTRODUCTION

Congratulations on your purchase of a BD-2321WR Wet Stone Polisher. We are certain that you will be pleased with your purchase. Barranca Diamond takes pride in producing the finest construction power tools and diamond blades in the industry.

In order to help you, we have included this manual. This owners manual contains information necessary to operate and maintain your BD-2321WR safely and correctly. Please take the time to familiarize yourself with the BD-2321WR by reading and reviewing this manual.

Read and follow all safety, operating and maintenance instructions. If you should have questions, please feel free to call our friendly customer service department at (800) 630-7682.

Regards,

Barranca Diamond

**WARRANTY:** For your 90 day warranty to be effective, complete the online Product Registration as soon as possible. Visit [www.mkdiamond.com/registration/](http://www.mkdiamond.com/registration/)

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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

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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

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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

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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 components or settings to increase the maximum speed. Severe personal injury and damage to the equipment can result if operated at speeds above maximum.



**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.

**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.



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



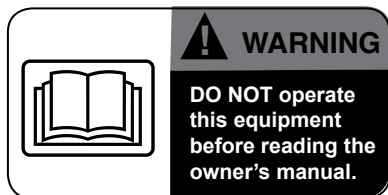
**ALWAYS** store equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children



**DO NOT** lend or rent this equipment without including the Owner's Manual



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

For further information, consult the following sources:

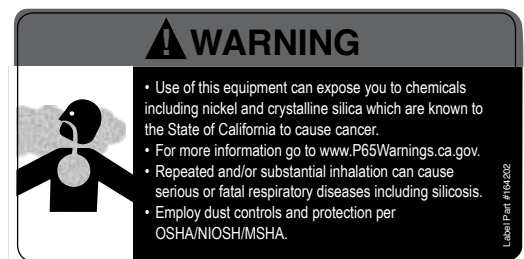
<http://www.osha.gov/dsg/topics/silicacrystalline/index.html>

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

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

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

<http://www.P65warnings.ca.gov>



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.

## CAUTION

Diamond tools 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 electrical shock and injury, the following electrical safety precautions and symbols should be followed at all times!

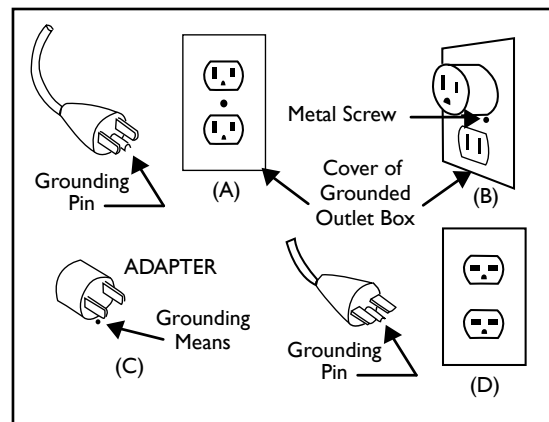


### WARNING

In case of a malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock. This tool is equipped with an electric cord which has 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.

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, plug, and the like, extending from the adapter, must be connected to a permanent ground, such as a properly grounded outlet box.



Circuit and Adapter Information

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

**NOTE:** If permanently connected this tool should be connected to a grounded metal permanent wiring system; or to a system having an equipment - grounding conductor.



## ELECTRIC MOTOR SAFETY

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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.

**! 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.

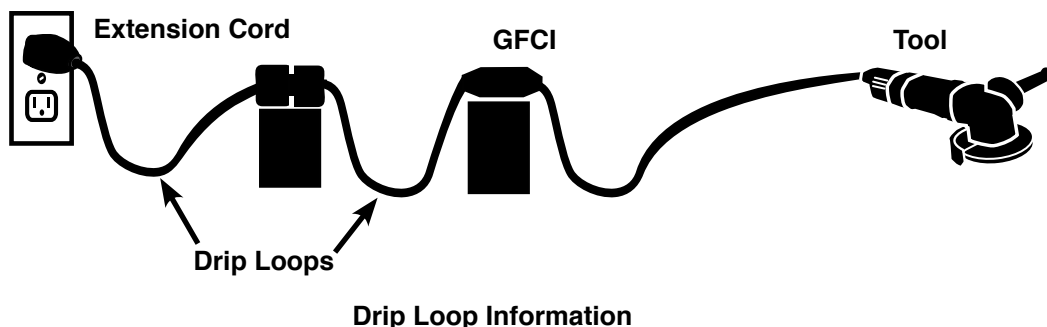
**! WARNING**

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 Barranca Diamond BD-2321WR pneumatic wet polishing tool is designed for continuous production applications and improved safety. Cast from aircraft aluminum, the BD-2321WR is one of the most durable tools of its kind on the market for polishing stone. The watertight sealed bearings provide long life and smooth rotational speeds. The water and air controls are simple to use and conveniently located. Rear air vent removes exhaust through a hose protector, away from operator's hands. It consumes 16 CFM at 90 PSI, requiring a 5 HP compressor. Maximum disc size is 5". The BD-2321WR comes with 25' water hose, 5' air hose, 3' air/water hose protector, D-handle and wrenches. Ninety day limited warranty.

**Motor Specifications**

Motor specifications for the BD-2321WR are listed in the table below.









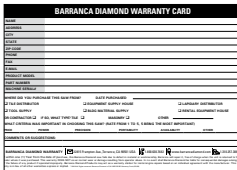
<b>Air Pressure</b>	90 psi
<b>RPM</b>	5,500 (free speed)
<b>Shaft Thread</b>	5/8"-11
<b>Air Inlet</b>	1/4" Npt
<b>Output</b>	320 W
<b>Length</b>	10-1/4 in.
<b>Air Consumption</b>	16 cfm (min)
<b>Air Compressor Required</b>	5 hp min.
<b>Max. Disc Size</b>	5"
<b>Weight</b>	2.7 lbs.
<b>Part #</b>	160458

**UNPACKING**

Your BD-2321WR Wet Stone Polisher has been shipped from the factory thoroughly inspected. Only minimal assembly is required.

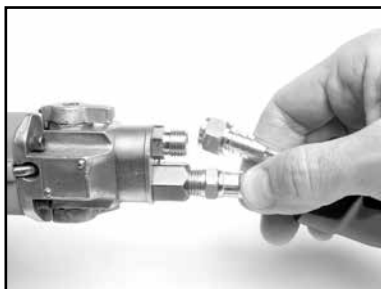
**CONTENTS**

In your container, you will find one (1) BD-2321WR, one (1) D-Handle w/screws, one (1) Air, Water & Exhaust Hoses, one (1) Hose Fastener, one (1) Spindle Oil, one (1) Spanner Wrench, one (1) Owner's Manual and one (1) Warranty Card.

				
BD-2321WR	D-Handle w/screws	Air, Water & Exhaust Hoses	Hose Fastener	Spindle Oil
				
Water Hose Joint Hose Nipple	Spanner Wrench	Owner's Manual	Warranty Card	



(A)  
Attach the hose nipple to the  
water hose.



(B)  
Thread the air hose to the  
polisher air hose fitting.



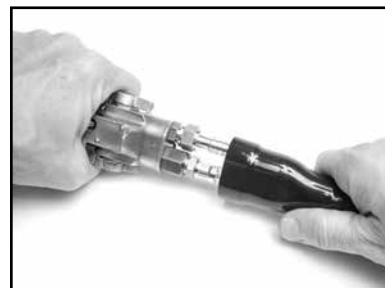
(C)  
Tighten the air hose nut.



(D)  
Thread the water hose to the  
water hose fitting.



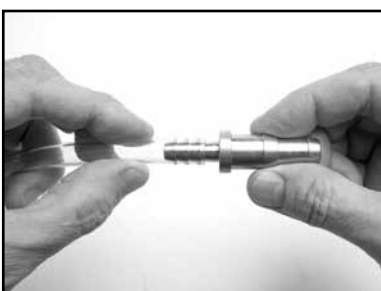
(E)  
Tighten the water hose  
nut.



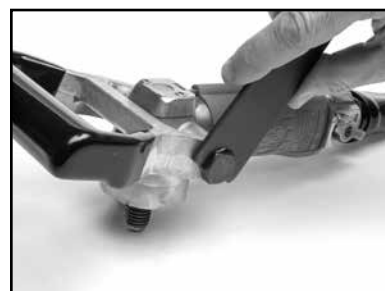
(F)  
Slide the exhaust hose  
over the water and air  
hoses.



(G)  
Use the fastener to secure  
exhaust hose to polisher.



(H)  
Attach water hose joint to  
end of water hose.



(I)  
Attach D-handle, tightening  
both bolts with wrench.



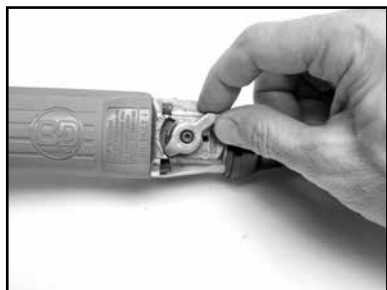
(J)  
Screw on backer plate.



(K)  
Place polishing pad on  
backer plate.



(L)  
Turn the water on to desired  
water volume.



(M)  
Turn the air on to the  
desired rotation speed.  
Beginning polishing.

## Maintenance



(A)  
Use 3-4 drops of spindle/machine  
oil in the air intake valve. The pol-  
isher must be oiled daily.



(B)  
Grease gears as needed using a  
multi-purpose EP lithium grease  
or moly EP lithium grease.  
DO NOT use oil.

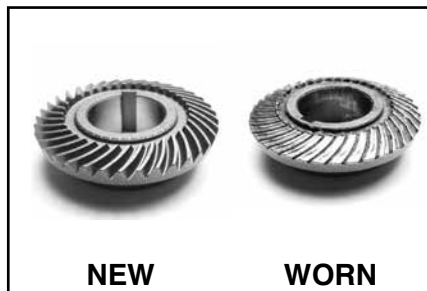
**NOTE:**

- Do not submerge the polisher in water. Water and moisture will harm and rust the inner parts of the polisher.
- Remove backer pads after each use and use a drop of oil on the spindle to prevent rust.
- Excessive downward force on polisher will result in premature failure of gears and bearing.



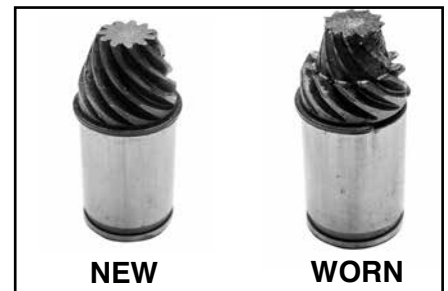
(A)

Wear in front plate due to worn bearings.



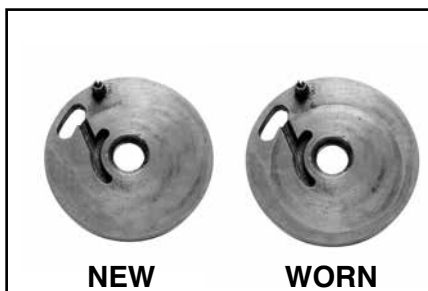
(B)

Wear in the bevel gear is due to using the polisher as a grinder and applying heavy pressure and hammering the tool onto the material.



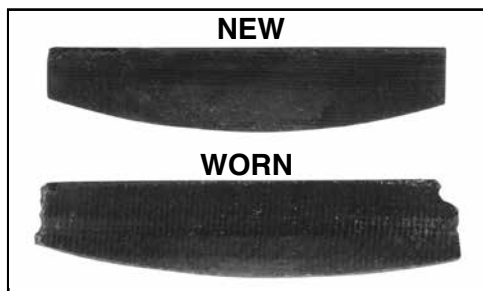
(C)

Wear in pinion gear is due to using polisher as a grinder, hammering the tool onto the material.



(D)

Wear in rear plate due to worn bearings.



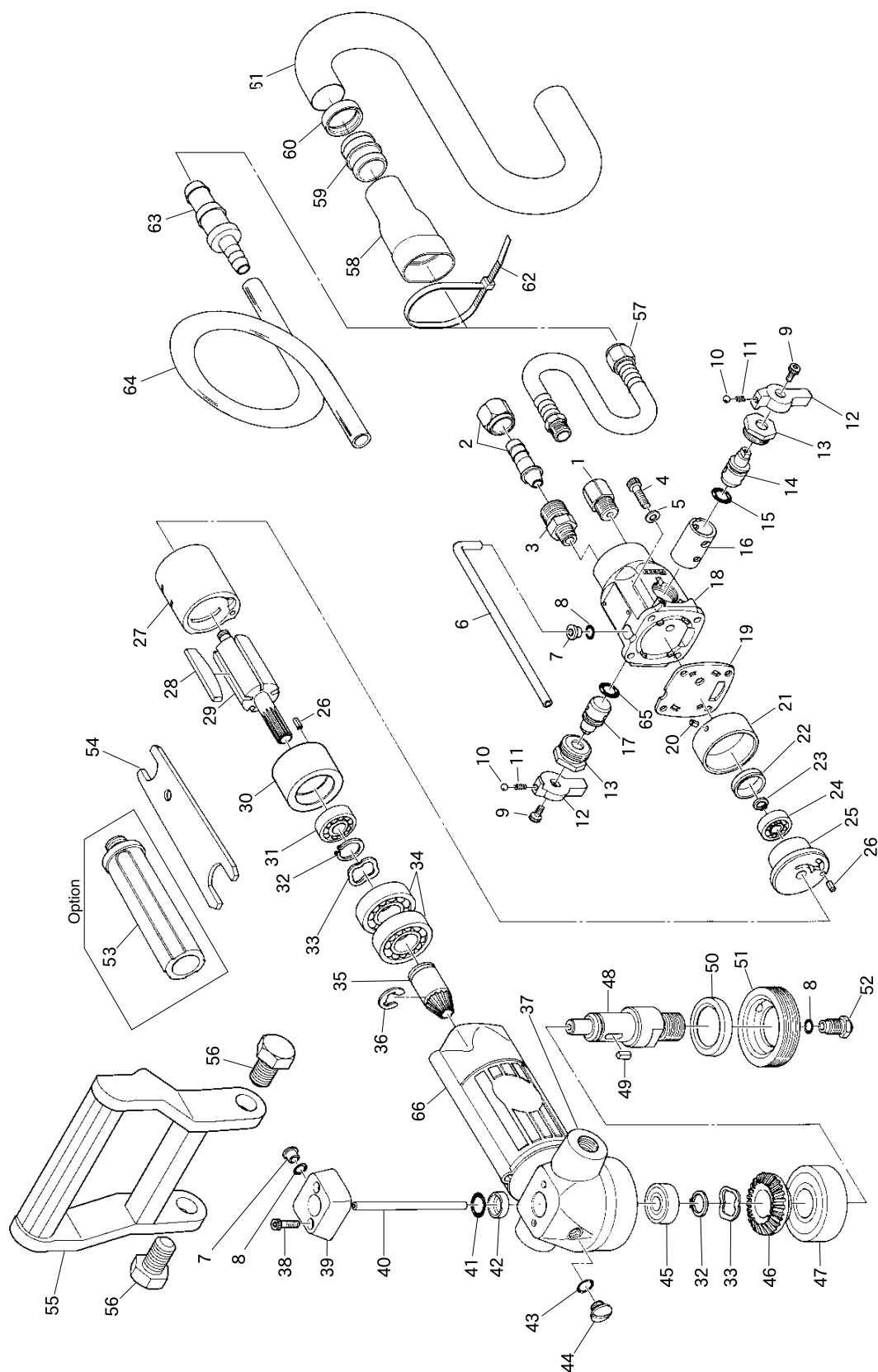
(E)

A broken rotor blade is due to excessive downward pressure on the polisher and lack of regular oiling.





## BD-2321WR WET POLISER P/N 160458



## BD-2321WR WET POLISHER P/N 160458

ITEM	DESCRIPTION	PART#	QTY.
1	INLET BUSHING 180-1	161461	1
2	NIPPLE HOSE #1110A-62	161690	1
3	ADAPTER,HOSE,1110A-22	161320	1
4	SCREW, CAP, #Z832-160	161850	4
5	WASHER,HSW-40	162004	4
6	PIPE, OUTER # 1110-9	161749	1
7	BUSHING, PIPE, #1110-1	161451	2
8	O-RING, #P-4	161732	3
9	SCREW,CAP,#Z-M30-80	161851	2
10	STEEL BALL, #SB-1/8	161932	2
11	SPRING, REGULATOR, #450-45	161931	2
12	LEVER, 1110-4	161659	2
13	VALUE, NUT, 1110-21	161695	2
14	VALUE, AIR, 1110A-18	161730	1
15	O-RING, P-7	161731	1
16	BUSHING, VALVE, 1110A-20	161452	1
17	WATER VALVE,1110A-19	161993	1
18	VALVE HOUSING, 1110R-2	161639	1
19	GASKET, 1110R-3	161559	1
20	PIN,ROLL 25-4	161742	1
21	CASE,REAR #1110A-5	161474	1
22	BEARING COVER, 680-34	161467	1
23	RING, RETAINING JS-6	161809	1
24	BEARING, BALL, 626 2RS	161359	1
25	PLATE REAR, 1110-26A	161755	1
26	PIN, ROLL #25-5	161743	2
27	CYLINDER, #1110A-24A	161553	1
28	ROTOR BLADE, 1110R-8	161421	5
29	ROTOR, THICK, 1110R-7	161843	1
30	PLATE, FRONT,1110R-6	161752	1
31	BEARING, BALL, TYPE 608ZZ	161353	1
32	RING, RETAINING, #JS-15	161813	2
33	WASHER,WAVE,#WW-150	162005	2
34	BEARING, BALL, #6002 ZZEC3	161352	2
35	GEAR, PINION #1110A-12	161571	1
36	RING, RETAINING 1E-8	161812	1
37	HOUSING, MOTOR REAR 1110R-1A	161637	1
38	SCREW, CAP #Z832-160	161850	2
39	CONNECTOR, PIPE, #1110-3A	161503	1
40	PIPE, INNER, #1110-23	161748	1
41	O-RING, S-12	161733	1
42	OIL SEAL, G8-14-4	161720	1

**BD-2321WR WET POLISHER P/N 160458**

ITEM	DESCRIPTION	PART #	QTY.
43	O-RING, S-7	161734	1
44	PLUG, GREASE, #1110A-6	161760	1
45	BEARING, BALL, #608LLU	161354	1
46	GEAR, BEVEL, #110A-13	161569	1
47	BEARING BALL # 6302LLU	161360	1
48	SPINDLE, 5/8-11, #1110A-11U	161928	1
49	Key, 940-46	161647	1
50	OIL SEAL, #G23-32-7	161719	1
51	CAP, SPINDLE, #1110-15	161470	1
52	NOZZLE, #1110A-16	161692	1
53	HANDLE, DEAD, 240B-2	161615	1
54	WRENCH, SPANNER 5/8-2"-350-28	168888	1
55	HANDLE, #1110R-4	161609	1
56	SCREW, #1110R-5	161430	2
57	HOSE, WIPE, #106-3	161635	1
58	COVER, EXHAUST #106-5	161524	1
59	CONNECTOR, #106-6	161499	1
60	URETHANE BAND, 106-1	161341	1
61	HOSE, EXHAUST, #106-2	161630	1
62	HARNESS BAND, #106-10	161338	1
63	JOINT, WATER HOSE, 1110A-61	161644	1
64	HOSE, WATER, 1110A-64	161634	1
65	O-RING, S-8	161735	1
66	HOUSING COVER, 1110A-67	165666	1



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: <a href="http://www.barrancadiamond.com">www.barrancadiamond.com</a> or call 800.421.5830	Polishing Discs	
2	370050	BD-370BP 5" Rubber Backer Plate	
3	370052	BD-370BP 5" Aluminum Backer Plate	
4	370051	BD-370BP 5" Rigid Backer Plate	

**BARRANCA DIAMOND LIMITED WARRANTY**

**WARRANTY:** For your 90 day warranty to be effective, complete the online Product Registration as soon as possible. Visit [www.mkdiamond.com/registration/](http://www.mkdiamond.com/registration/)

Any problems encountered should be directed to Barranca Diamond Customer Service department at (800) 630-7682 M-F 8am - 5pm PST.

**NOTE THIS INFORMATION FOR FUTURE USE:**

<b>MODEL NUMBER:</b>	
<b>SERIAL NUMBER:</b>	
<b>PURCHASE PLACE:</b>	
<b>PURCHASE DATE:</b>	

Barranca Diamond warrants to the original retail purchaser for a period of 90 days except as noted, from the date of purchase all products covered by this Warranty to be free of defects in materials and workmanship.

This Warranty shall not apply to any parts that have been subjected to misuse or improper service, that had been damaged in transit or handling, or that have been altered or repaired by unauthorized representatives. This Warranty does not cover defects caused by or resulting from misuse, abuse, neglect or damage caused by accident or the failure to provide reasonable maintenance. This Warranty is void if the product or any of its individual components is altered or modified by the purchaser or if the product is used in a manner or with a blade not recommended by the manufacturer.

Any claim arising under this Warranty must be submitted by the original purchaser within the warranty period specified above, and shall include proof of purchase. During said warranty period Barranca Diamond shall, at its option, either replace or repair, at no charge to the original purchaser, any parts or components that are found to be defective by Barranca Diamond. Barranca Diamond shall not be responsible for or obligated to pay for freight or other transportation related costs or expenses in connection with any defective products or components that are either returned to Barranca Diamond's facility or any authorized repair station and/or any replacement products or components that are shipped from Barranca Diamond pursuant to this Warranty.

Parts and labor needed to maintain products and the replacement of components due to normal wear and tear are the purchaser's responsibility and are not covered by this Warranty. All products or components replaced under warranty become the property of the manufacturer. All replacement parts will be considered to be part of the original product and any warranty on such parts will expire coincidentally with the original Warranty. Barranca Diamond will pay for parts and labor in connection with warranty repairs conducted by Barranca Diamond or its authorized repair centers. Replacement part(s) installed by anyone else will be provided without a charge for such replacement part(s), but this Warranty will not apply to labor charges in connection therewith.

IN NO EVENT SHALL ANY LIABILITY UNDER THIS WARRANTY EXCEED THE REPLACEMENT COST OF ANY DEFECTIVE PRODUCT OR COMPONENT THEREOF, AND BARRANCA DIAMOND SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR ANY OTHER DAMAGE OR LOSS NOT EXPRESSLY ASSUMED AS SET FORTH HEREIN.

The foregoing constitutes an expressed warranty on the terms set forth above and is the only warranty or warranties applicable to the products it covers. All other warranties, including, without limitation, the implied warranty of merchantability and/or fitness for a particular purpose or use being denied. This limited warranty is expressly in lieu of all other warranties, whether expressed or implied.

**REPLACEMENT PARTS**

Replacement parts for this tool may be ordered from your Barranca Diamond distributor or directly from Barranca Diamond. Please have the following information ready before calling:

- Model and serial number of the machine
- Date of purchase
- Description of parts being ordered (see parts list)

**RETURN MATERIALS PROCEDURE**

To expedite the service relative to the return of a product purchased through Barranca Diamond, please have the following information available:

- Model and serial number of the machine
- Date of purchase
- Distributor's name

Then please call Barranca Diamond at (310) 523-5867 or toll free at 800-630-7682 to obtain a Return Goods Authorization number (RGA) authorizing the return.

Please Note:

- Ensure your item(s) are prepaid to the destination
- Return items must have been purchased within the previous 90 day
- Follow the packaging instructions in the following section
- Be sure to include the RGA number, return address and your phone number on or within the return shipping box.

**PACKAGING INSTRUCTIONS**

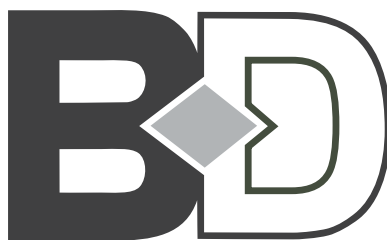
Ship the equipment using its original shipping crate if possible. Secure inside the shipping crate. Ensure all parts are secured in the packaging to prevent movement. Do not ship the equipment partially exposed.



## NOTES

## NOTES





**BARRANCA DIAMOND**

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