

10 IN. RANDOM ORBITAL POLISHER/BUFFER

Stock Number W50053

OWNERS MANUAL



Performance Tool®

WARNING!

READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

Some dust created by power sanding contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. An example of this type of chemical is lead from lead based paints, Crystalline Silica from bricks and cement or other masonry, Arsenic and Chromium from chemically treated lumber. Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure: work in a well ventilated area and work with approved safety equipment, such as dusk masks that are specially designed to filter out microscopic particles.

PT
Performance Tool®

Please read these instructions carefully and retain them for future use.

On occasion, after printing of our literature is completed, our manufacturers may make changes and/or modifications to merchandise which will not be reflected in this manual. Although we strive to maintain complete and accurate information, it is possible in some instances, that the product may differ slightly from printed specifications. Illustrations are intended for reference only. Actual merchandise may vary. Wilmar is not responsible for typographical errors.

SPECIFICATIONS

Amps:	0.92	Cord:	17" 2-Pronged Polarized
Volts:	120VAC ~ 60HZ	Pad Size:	9-1/2" (24.1 cm)
Free Speed:	3,000 RPM		


 **WARNING:** When using tools basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

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INTRODUCTION

The Performance Tool 6" Random Orbital Buffer is designed for polishing, waxing, and buffing. Powered by a durable 0.5 Amp motor, the random orbiting mechanism delivers 3,500 rotations per minute (RPM), mimicking the motion of circular hand polishing. Oval Palm Grip for Better Control. Designed for years of trouble-free use, it will tackle your automotive finish maintenance applications with ease.

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

SAFETY ALERT



WARNING: Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this random orbital buffer. Failure to comply with the instructions may result in serious personal injury and/or property damage!

The following signal words are used to emphasize safety warnings that must be followed when using this random orbital buffer:



DANGER

Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.



WARNING

Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.



CAUTION

Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury.



NOTICE

Indicates important information, which if not followed, MAY cause damage to equipment.

UNPACKING & INSPECTION

After opening the carton, unpack your new random orbital buffer and related parts & accessories. Please inspect it carefully for any damage that may have occurred during transit. Please check it against the photograph on carton. If any parts are missing, please call customer service at 1-800-426-1262.



WARNING

Do not operate this random orbital buffer if damaged during shipment, handling or misuse. Do not operate the tool until the parts have been replaced or the fault rectified. Failure to do so may result in serious personal injury or property damage.

All damaged parts must be repaired or replaced as needed prior to operating this tool.

Check to see that all nuts, bolts and fittings are secure before putting this tool into service. If you have any questions, or require assistance with damaged or missing parts, please contact our customer service department at: 1-800-426-1262

UNPACKING & INSPECTION CONTINUED

Please have the serial number, model number, and date of purchase available for reference when calling.

MODEL NUMBER: _____

SERIAL NUMBER: _____

DATE of PURCHASE: _____

SAFETY WARNINGS

READ ALL SAFETY WARNINGS BEFORE USING POLISHER/BUFFER



WARNING

Some dust created by spraying, blowing, power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Reduce your exposure to these chemicals by wearing approved safety equipment such as dust masks that are designed to filter out microscopic particles.



WARNING

Use of this product will expose you to chemicals known to the State of California to cause cancer, birth defects, and reproductive harm. Avoid inhaling vapors and dust. Wash hands after using.



WARNING

This product contains chemicals, including lead, known to the State of California to cause cancer, birth defects, and reproductive harm. Wash hands after handling.

WORK AREA

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
3. Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord to carry the tool or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
5. When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

1. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
3. Avoid accidental starting. Be sure switch is OFF before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch ON invites accidents.
4. Remove adjusting keys or wrenches before turning the tool ON. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

PERSONAL SAFETY, continued

5. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enable better control of the tool in unexpected situations.
6. Use safety equipment. Always wear eye protection. Dust mask, nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE & CARE

1. Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.
2. Do not force tool. Use the correct tool for your application. The correct tool will do the job safely and more efficient.
3. Do not use tool if switch does not turn it ON or OFF. A tool that cannot be controlled with the switch is dangerous and must be repaired.
4. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
5. Store idle tools out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
6. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
7. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
8. Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

SERVICE

1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in a risk of injury.
2. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance Section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES FOR RANDOM ORBITAL POLISHER/BUFFERS

1. **KNOW YOUR POWER TOOL.** Read instruction manual carefully.
2. **ACCESSORIES MUST BE RATED FOR AT LEAST THE SPEED RECOMMENDED ON THE TOOL WARNING LABEL.** Wheels and other accessories running over rated speed can fly apart and cause injury.
3. **HOLD TOOL BY INSULATED GRIPPING SURFACES WHEN PERFORMING AN OPERATION WHERE THE CUTTING TOOL MAY CONTACT HIDDEN WIRING OR ITS OWN CORD.** Contact with a "live" wire will also make exposed metal parts of the tool "live" and shock the operator.
4. **INSURE THAT THE TOOL IS DISCONNECTED FROM THE POWER SOURCE AND THAT THE SWITCH IS IN "OFF" POSITION** before replacing or adjusting the bonnet.
5. **USE PROPER SAFETY EQUIPMENT.** Wear safety goggles to protect your eyes and wear a protective mask to minimize breathing in the fine dust created while sanding. **NOTE:** Some wood contains preservatives which can be toxic. Take extra care to prevent inhalation and skin contact when working with these materials.
6. **SANDING OF LEAD-BASED PAINT IS NOT RECOMMENDED.** Lead based paint should only be removed by a professional.
7. **RAGS, CLOTHS, CORD, STRING AND THE LIKE SHOULD NEVER BE LEFT AROUND THE WORK AREA.**
8. **ALWAYS USE BOTH HANDS TO OPERATE THE TOOL.**
9. **ALWAYS START AND STOP THE ORBITAL BUFFER ON OR AGAINST THE SURFACE BEING POLISHED.**
10. **WARNING:** There are certain applications for which this tool was designed. Wilmar Corporation strongly recommends that this tool

NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Wilmar Corporation and we have advised you.

Technical Service Manager
 Wilmar Corporation
 350 Midland Drive
 Tukwila, WA 98188

EXTENSION CORD SELECTION

Replace damaged extension cords immediately. Use of damaged extension cords can shock, burn or electrocute.

If an extension cord is used, make sure the conductor size is large enough to prevent excessive voltage drop which will cause loss of power and possible motor damage. A table of recommended extension cord sizes will be found in this section. This table is based on limiting line voltage drop to 5 volts for 115 volts at 150% of rated amperes. If an extension cord is to be used outdoors it must be marked with the suffix W-A or W following the cord type designation. For example – SJTW-A to indicate it is acceptable for outdoor use.

RECOMMENDED EXTENSION CORD SIZES FOR USE WITH PORTABLE ELECTRIC TOOLS										
Length of Cord in Feet										
115V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.	500 Ft.	
0-2A	18	18	18	16	16	14	14	12	12	
2-3A	18	18	16	14	14	12	12	10	10	
3-4A	18	18	16	14	12	12	10	10	8	
4-5A	18	18	14	12	12	10	10	8	8	
5-6A	18	16	14	12	10	10	8	8	6	
6-8A	18	16	12	10	10	8	6	6	6	
8-10A	18	14	12	10	8	8	6	6	4	
10-12A	16	14	10	8	8	6	6	4	4	
12-14A	16	12	10	8	6	6	6	4	2	
14-16A	16	12	10	8	6	6	4	4	2	
16-18A	14	12	8	8	6	4	4	2	2	
18-20A	14	12	8	6	6	4	4	2	2	

10" RANDOM ORBITAL POLISHER/BUFFER FEATURES

1. Motor housing
2. ON/OFF Switch
3. Oval Palm Grip Handle
4. Foam backing pad
5. Terrycloth bonnet
6. Synthetic wool bonnet

ASSEMBLY

The Performance Tool orbital buffer is packaged and shipped fully assembled.

OPERATION

Be sure to follow the below instructions before each use.

Switching on and off:

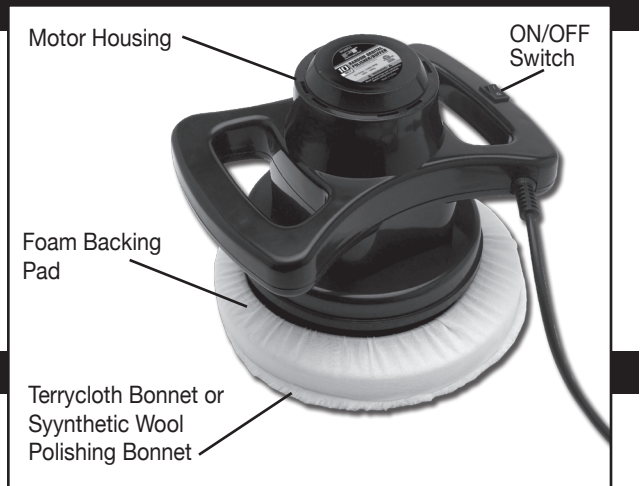
1. Hold tool by both handles.
2. Using your thumb, push the ON/OFF switch (2) on the right handle to the ON ("I") position.
3. To turn off, push the switch to the OFF ("O") position.

APPLICATIONS

The Performance Tool Random Orbital Buffer can be used to polish and buff most high-gloss surfaces. The terrycloth application bonnet and synthetic wool bonnet are manufactured to apply and remove polishes and waxes. Common applications include: cars, boats, aircraft, hardwood floors, furniture and more.

PREPARING THE SURFACE

Before you begin, make sure that the surface is clean and dry. The work area must also be dry. Most high-gloss surfaces can be cleaned with a mild soap and water solution. If necessary, remove stubborn dirt such as road tar, grease and bug stains with a cleaning product designed for this purpose.





WARNING

Always check the label for recommended applications before using a cleaning product. Using the incorrect product for the application may damage the surface. Use only recommended car care products.

Never apply cleaner directly onto the surface to be polished. Apply to a clean soft cloth and then use the cloth to clean the surface.

Never use any type of abrasive cleaner as it may damage or scratch the surface.

BONNET INFORMATION & CARE

The Performance Tool Random Orbital Buffer is supplied with two (2) bonnets:

1. Terrycloth bonnet - used to apply wax / polish onto the surface.
2. Synthetic wool bonnet - used for fine buffing and to finish the surface.

W50056 is the replacement bonnet set.

CARING FOR YOUR BONNETS

1. Wash terrycloth bonnet and synthetic wool bonnet by hand in cold water with a mild detergent.
2. Remove excess moisture and allow bonnets to dry.
3. When not in use, remove the bonnets from the orbital buffer.
4. Wash bonnets after each use to prolong their life.

ATTACHING THE TERRYCLOTH APPLICATION BONNET

1. To install the terrycloth application bonnet, turn the orbital buffer upside down and rest the buffer on its motor housing (1).
2. Fit the terrycloth application bonnet over the top of the foam pad (4) and ensure that the outer edge of the elastic is drawn over the top of the foam pad for a secure fit.

APPLYING POLISH TO THE TERRYCLOTH APPLICATION BONNET

1. Select a polish that is appropriate for your application. Be sure to read all directions carefully before using any polishing product.
2. For paste polish, use a putty knife or plastic spreader to apply approximately one heaping teaspoon of polish evenly over the entire surface of the terrycloth application bonnet.
3. **DO NOT APPLY POLISH DIRECTLY ONTO THE SURFACE BEING POLISHED.**
4. When using liquid polish, apply a small half dollar size circle of polish in the center of the terrycloth polishing bonnet.
5. Apply two additional concentric rings of liquid polish outside of the circle as shown.
6. Please note - after the first application, the bonnet will not absorb as much polish so apply a smaller quantity when reloading the bonnet.

APPLYING POLISH TO THE SURFACE

1. Hold the orbital buffer with two hands against the surface to be polished and push the ON/OFF switch to the "I" (ON) position.
2. **ALWAYS START AND STOP THE ORBITAL BUFFER ON OR AGAINST THE SURFACE BEING POLISHED.**
3. Begin polishing larger flat surfaces first such as the hood, trunk and roof. Cover areas quickly with broad, sweeping motion in a crisscross pattern.
4. **DO NOT PRESS DOWN ON THE SURFACE WITH THE ORBITAL BUFFER.** Allow the machine's random orbital action of the pad and bonnet, not pressure, to do the work.
5. After flat surfaces have been covered, polish curved surfaces such as car doors, quarter panels and fenders. Use small circular motions for these areas.
6. After applying polish to the surface, turn orbital buffer off by pushing the switch to the "O" (OFF) position while holding the orbital buffer against the surface being polished.
7. **WAIT UNTIL THE PAD STOPS ROTATING BEFORE LIFTING THE ORBITAL BUFFER FROM THE SURFACE BEING POLISHED.**
8. **UNPLUG THE ORBITAL BUFFER WHEN NOT IN USE AND WHEN INSTALLING OR REMOVING BONNETS.**
9. Apply polish by hand for hard to reach areas, such as bumpers, side mirrors, etc.

ATTACHING THE BUFFING BONNET

1. To install the synthetic wool buffing bonnet, turn the orbital buffer upside down and rest the buffer on its motor housing (1).
2. Fit the synthetic wool buffing bonnet over the top of the foam pad (4) and ensure that the outer edge of the elastic is drawn over the top of the foam pad for a secure fit.

USING THE BUFFING BONNET

1. Hold the orbital buffer with two hands against the surface to be polished and push the ON/OFF switch to the "I" (ON) position.
2. **ALWAYS START AND STOP THE ORBITAL BUFFER ON OR AGAINST THE SURFACE BEING POLISHED.**
3. Begin buffing larger flat surfaces first such as the hood, trunk and roof. Cover areas quickly with broad, sweeping motion in a criss-cross pattern.
4. **DO NOT PRESS DOWN ON THE SURFACE WITH THE ORBITAL BUFFER.** Allow the machine's random orbital action of the pad and bonnet, not pressure, to do the work.
5. After flat surfaces have been covered, buff curved surfaces such as car doors, quarter panels and fenders. Use small circular motions for these areas.
6. After buffing the entire surface, turn orbital buffer off by pushing the switch to the "O" (OFF) position while holding the orbital buffer against the surface being polished.
7. **WAIT UNTIL THE PAD STOPS ROTATING BEFORE LIFTING THE ORBITAL BUFFER FROM THE SURFACE BEING POLISHED.**
8. **UNPLUG THE ORBITAL BUFFER WHEN NOT IN USE AND WHEN INSTALLING OR REMOVING BONNETS.**
9. Buff hard to reach areas by hand. (i.e. bumpers, side mirrors, etc).

CARE & MAINTENANCE



WARNING

Always be sure that the tool is switched off and has been disconnected from the power source before making any adjustments or performing any maintenance procedures.

1. Use only mild soap and a damp cloth to clean orbital buffer. DO NOT immerse any part in liquid.
2. Avoid contact with solvents, brake fluids, gasoline, or any other petroleum based products as they can damage, weaken or destroy plastics.
3. Allow the pad to dry completely after each use.
4. Store the orbital buffer with the pad facing upwards to retain pad shape and extend its serviceable life.
5. DO NOT use too much polish at one time, if the pad becomes saturated it will not last long.
6. Keep the buffer's air vents unclogged and clean at all times to ensure adequate cooling.
7. Remove dust and dirt regularly by wiping with a clean dry cloth.
8. Check that all screws are tight at regular intervals as they may loosen over time.

SERVICE

1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in a risk of injury.
2. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance Section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

TROUBLESHOOTING GUIDE



WARNING

Always be sure that the tool is switched off and has been disconnected from the power source before making any adjustments or performing any maintenance procedures.

TROUBLESHOOTING CHART

Problem Encountered	Possible Cause	Possible Solution
Orbital buffer will not start:	Power cord not plugged in.	Plug cord into outlet.
	Fuse blown or circuit breaker has tripped.	Replace fuse or reset circuit breaker.
	Power cord damaged.	Use authorized service center to repair or replace power cord.
	Faulty switch.	Use authorized service center to repair or replace switch.
	Faulty motor.	Use authorized service center to repair or replace motor.
Poor performance:	Wrong gauge wire or length of extension cord.	Check chart in instruction manual for proper gauge wire and cord length.
	Tool is overheating.	Turn off tool and allow it to cool down to room temperature. Inspect and clean ventilation slots.
	Too much polish on the applicator or buffing bonnet.	Replace or clean the bonnet. Check that too much polish is not applied to bonnet.
	Worn bonnet.	Remove a portion of the polish and retry. Replace with a new bonnet.
Vibration or abnormal noise:	Bonnet not secured.	Check bonnet to ensure that it is secured onto the foam pad. Outer edge of bonnet must be properly drawn over the top of the foam pad.
	Loose screws.	Check that all screws are fully tightened.

1 YEAR LIMITED WARRANTY

PERFORMANCE TOOL® extends only the following warranties, and only to original retail purchasers. These warranties give specific legal rights. Except where prohibited by local law, the law of the State of Washington governs all warranties and all exclusions and limitations of warranties and remedies. There may be other rights which vary from state to state.

PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to one year from date of purchase, PERFORMANCE TOOL® will replace at no charge any parts which our examination shall disclose to be defective and under warranty. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part(s) being returned. For part(s) after 90 days, please remit your request, postage prepaid to:

PERFORMANCE TOOL, P.O. Box 88259 Tukwila, WA 98138

These warranties exclude blades, bits, punches, dies, bulbs, fuses, hoses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

PERFORMANCE TOOL® does not authorize any other person to make any warranty or to assume any liability in connection with its products. Except for warranties of title and the limited express warranties set forth above, PERFORMANCE TOOL® makes no express or implied warranties of any kind with respect to its products. In particular, PERFORMANCE TOOL® makes no implied warranty of merchantability and no implied warranty of fitness for any particular purpose, except that for goods purchased primarily for personal, family or household use and not for commercial or business use, PERFORMANCE TOOL® makes an implied warranty of merchantability (and, if otherwise applicable, an implied warranty of fitness for a particular purpose), but only for the particular qualities or characteristics, and for the duration, expressly warranted above. The laws on limitation of implied warranties may differ from state to state, so the above limitations may not apply in all cases.

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