# **10" Random Orbital Polisher/Buffer**

## Stock Number: W50054

## **OWNER'S MANUAL**



#### READ ALL INSTRUCTIONS BEFORE USING THIS TOOL!

It is the owner and/or operator's responsibility to study all WARNINGS, operating, and maintenance instructions contained on the product label and instruction manual prior to operation of this random orbital buffer. The owner/operator shall retain product instructions for future reference.

The owner and/or operator are responsible for maintenance, maintaining all decals or warning labels and while in use, maintaining the unit in good working order. If the owner and/or operator are not fluent in English, the product warnings and instructions shall be read and discussed with the operator's native language by the purchaser/owner or his designee. Make sure that the operator comprehends its contents. Safety information shall be emphasized and understood prior to usage. The random orbital buffer shall be inspected per the operating instructions.

Users of this random orbital buffer must fully understand these instructions. Each person operating this random orbital buffer must also be of sound mind and body and must not be under the influence of any substance that might impair their vision, dexterity, or judgment.

Protect yourself and others by observing all safety information.

Failure to comply with instructions could result in personal injury and/or property damage!

#### NOTICE: READ BEFORE USING

Most automotive finishes require a softer, plusher buffer bonnet than the terry cloth bonnet provided with this product. Use the clean terry cloth bonnet provided with this product to apply wax and related chemicals only, do not use it again to remove wax or buff a waxed surface even though it has been washed. Otherwise, paint damage may occur. Use the clean synthetic wool bonnet to buff waxed finishes. Wilmar Corporation, her successors, assigns and insurers will not be responsible for damage as a result of failure to heed this notice.



FOR YOUR SAFETY, please read these instructions carefully and retain them for future use.

## **SPECIFICATIONS**

Amps:	0.92
Volts:	120VAC ~ 60HZ
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 10" Random Orbital Buffer is designed for polishing, waxing, and buffing. Powered by a durable 0.92 Amp motor, the random orbiting mechanism delivers 3,000 operations per minute (OPM), mimicking the motion of circular hand polishing. Dual hand grips provide added 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.

#### 

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

#### 

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

#### 

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.

#### 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.

## **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

- 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 polar ized 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.
- 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 unex pected 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 and 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 preven tive 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 particu lar type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for opera tions 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.

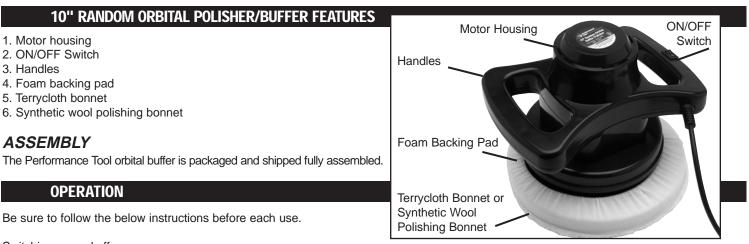
Technical Service Manager Wilmar Corporation 350 Midland Drive Tukwila, WA 98188

## **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									
1151	25 Ft.	50 Ft.	100 Ft	150 Ft.	200 Ft.	250 Ft.	200 5+	400 Ft	
115V			100 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



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 buffing 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.



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.

#### 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.
- Begin polishing larger flat surfaces first such as the hood, truck 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, truck 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.
- 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**

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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.
- Avoid contact with solvents, brake fluids, gasoline, or any other petroleum based products as they can damage, weaken or destroy plastics.
   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. Remove a portion of the polish and retry.					
	Worn bonnet.	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.					

## ONE YEAR LIMITED WARRANTY – WILMAR CORPORATION POWER TOOLS

Wilmar Corporation (hereinafter "seller") warrants to the original purchaser only, that this product will be free from defects in material or workmanship for a period of one year from date of purchase for home domestic use.

#### Warranty Performance

Warranty coverage is conditioned upon purchaser furnishing seller or its authorized service center with adequate written proof of the original purchase date. Products returned, freight prepaid and insured, to our factory or to an Authorized Service Center will be inspected and repaired or replaced, at seller's option, free of charge if found to be defective and subject to warranty. Defective parts not subject to normal wear and tear will be repaired or replaced, at our option during the above stated warranty periods. In any event, reimbursement is limited to the purchase price paid. Other than the postage and insurance requirement, no charge will be made for replacements covered by this warranty. Under no circumstances shall the manufacturer bear any responsibility for loss of the unit, loss of time or rental, inconvenience, commercial loss or consequential damages. There are no warranties which extend beyond the description of the face hereof.

#### Exclusions

This warranty does not cover parts damaged due to normal wear, abnormal conditions, misapplication, misuse, abuse, accidents, operation at other than recommended pressures or temperatures, improper storage or freight damage. Parts damaged or worn by operation in dusty environments are not warranted. Failure to follow recommended operating and maintenance procedures also voids warranty.

Additional items not covered under this warranty: product failure caused by rain, excessive humidity, corrosive environments or other contaminants; cosmetic defects that do not interfere with product's functionality.

This warranty shall not apply when: the product has been used for commercial or rental purposes; defects in materials or workmanship or damages result from repairs or alterations which have been made or attempted by others or the unauthorized use of nonconforming parts; this damage is due to abuse, improper maintenance, neglect or accident; or the damage is due to use of the product after partial failure or use with improper accessories. Warranty does not apply to accessory items such as polishing bonnets and other related power tool accessories.

Seller will not be liable for: labor charges, loss or damage resulting from improper operation, maintenance or repairs made by persons other than a Wilmar Corporation Authorized Service Center.

The use of other than genuine Wilmar Corporation Repair Parts will void warranty.

#### Warranty Disclaimers

NO WARRANTY, ORAL OR WRITTEN, OTHER THAN THE ABOVE WARRANTY IS MADE WITH REGARD TO THIS PRODUCT, ANY IMPLIED WARRANTIES OF SELLER REGARDING THIS PRODUCT INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MER-CHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. BUYER'S OR USER'S REMEDIES ARE SOLELY AND EXCLUSIVELY AS STATED ABOVE. WILMAR CORPORATION SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDI-RECT, OR SPECIAL DAMAGES. IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL SELLER'S LIABILITY EXCEED THE PRICE OF THE PRODUCT WHICH HAS GIVEN RISE TO THE CLAIM OR LIABILITY. ANY LIABILITY CONNECTED WITH THE USE OF THIS PRODUCT SHALL TERMINATE UPON THE EXPIRATION OF THE WARRANTY PERIODS SPECIFIED ABOVE.

#### Limitations on Warranty Disclaimers

Any implied warranties shall be limited in duration to one year from the date of purchase. In some states of the U.S.A. and in some provinces of Canada there is no limitation for how long an implied warranty is valid, so the aforementioned limitation may not apply to you.

In no event shall seller be liable for any incidental or consequential damages (including but not limited to liability for loss of profits) arising from the sale or use of this product. In some states of the U.S.A. and in some provinces of Canada the exclusion or limitation of incidental or consequential damages is not allowed, so the aforementioned limitation or exclusion may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state in the U.S.A., Canada and the Commonwealth of Puerto Rico. For warranty coverage within other countries, contact your local Wilmar Corporation dealer or importer.