

# MAXIMUM™

**7" (17.8 cm)**

**Heavy-duty Polisher/Sander**



**Model No. 054-7135-0**

**IMPORTANT:**

Please read this manual carefully before using this product, and save it for reference.

**INSTRUCTION  
MANUAL**



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**NOTE:** If any parts are missing or damaged, or if you have any questions, please call our toll-free helpline at 1-888-670-6682

**SAVE THESE INSTRUCTIONS**

This manual contains important safety and operating instructions. Read all instructions and follow them with use of this product.

## TECHNICAL SPECIFICATIONS

VOLTAGE	120 V 60 Hz AC
AMPS	10A
VARIABLE SPEEDS	1000-3000 RPM (no load)
PAD SIZE	7" (17.8 cm)
PAD TYPE	Hook and loop fastening system
SPINDLE THREAD	5/8"-11 UNC
CORD LENGTH	10' (3 m)
WEIGHT	7 lb 3 oz (3.2 kg)

## WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.



### WARNING!

Some dust created by 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. 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.

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 those dust masks that are specially designed to filter out microscopic particles.



### WARNING!

This product may contain lead, phthalates or other chemicals known to the state of California to cause cancer, birth defects and other reproductive harm. Please wash your hands after use.



### WARNING!

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

- The term power tool in the warnings refers to your electric (corded) power tool or battery-operated (cordless) power tool.

## ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way.** Do not use any adapter plugs with grounded power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

## PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery.** Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of a dust collection device can reduce dust-related hazards.

## POWER TOOL USE AND CARE

- **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.

- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the 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.
- **Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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 other than those intended could result in a hazardous situation.

## SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

## SAFETY INSTRUCTIONS FOR ALL OPERATIONS

### Safety warnings common for polishing operations:

- This power tool is intended to function as a sander/polisher. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
- Do not use accessories which are not specifically designed and recommended by the tool manufacturer. The fact that an accessory item may fit the power tool is not an assurance of safe operation.
- The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.
- The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.
- Threaded mounting of accessories must match the sander/polisher spindle thread. For accessories mounted by FLANGES, the arbour hole of the accessory must fit the locating diameter of the FLANGE. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
- Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tears or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.
- Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering out particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.
- Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.
- Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.



- **Regularly clean the power tool's air vents.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

## **FURTHER SAFETY INSTRUCTIONS FOR ALL OPERATIONS**

### **Kickback and related warnings:**

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** The operator can control torque reactions or kickback forces, if proper precautions are taken.
- **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
- **Do not position your body in the area where power tool will move if kickback occurs.** Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.
- **Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.** Corners, sharp edges and bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.
- **Do not attach a saw chain, woodcarving blade or toothed saw blade.** Such blades create frequently kickback and cause loss of control.

**ADDITIONAL SAFETY INSTRUCTIONS FOR POLISHING OPERATIONS****Safety warnings specific for polishing operations:**

- Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely. Tuck away or trim any loose attachment strings. Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.

## SYMBOLS



To reduce the risk of injury, user must read instruction manual



Double insulation



Warning



Wear ear protection



Wear eye protection



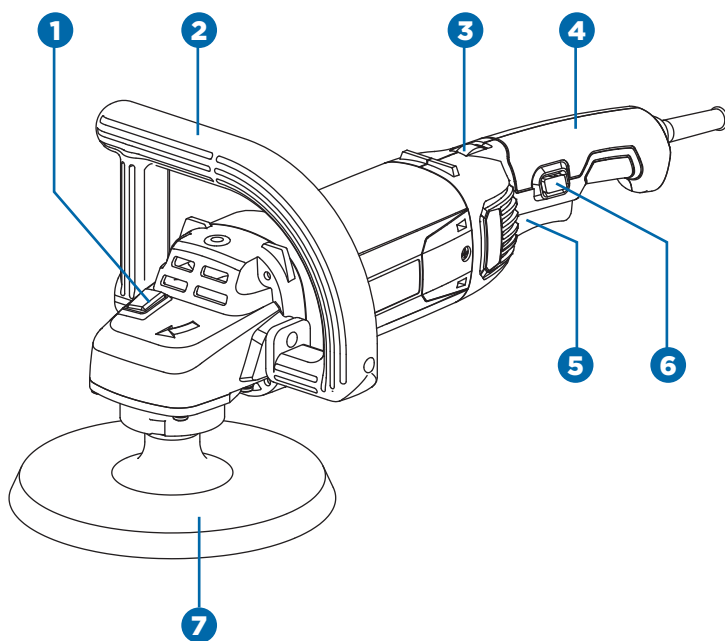
Wear dust mask



Don't use in the rain

No.	Description
1	Spindle lock button
2	Front handle
3	Variable speed control
4	Rear handle

No.	Description
5	On/off switch
6	Lock-on switch
7	Hook-and-loop pad

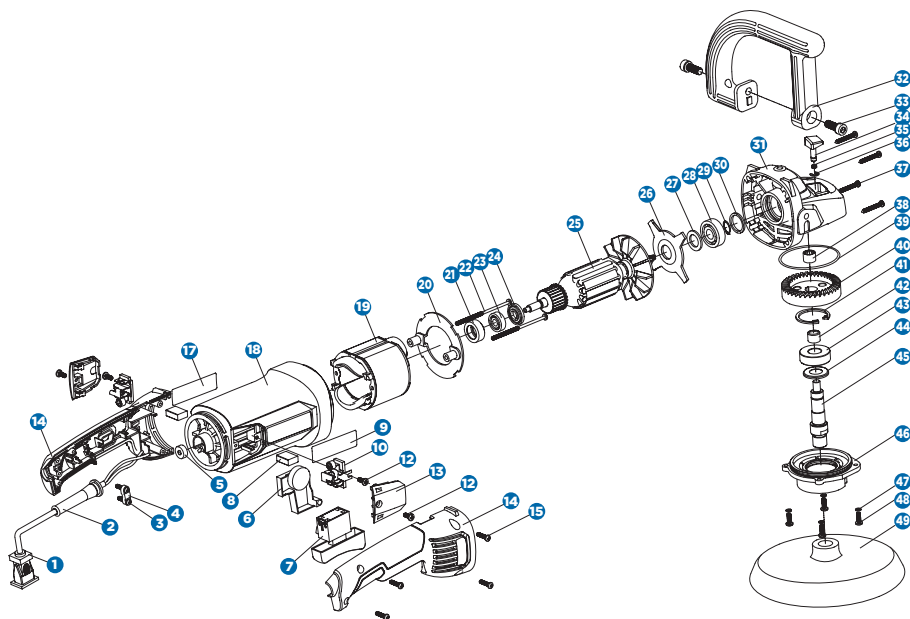


Not all the accessories illustrated or described are included in standard delivery.

**ACCESSORIES**

80 Grit sanding disc with hook-and-loop backing	3
Wool bonnet	1
Hook-and-loop pad	1

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.



No.	Description
1	Cord & plug
2	Cord protector
3	Self-tapping screw
4	Cord clamp
5	Capacitor
6	Constant speed unit
7	On/off switch
8	Carbon brush (pair)
9	Brand label
10	Brush
12	Self-tapping screw
13	Brush cover
14	Left/right handle
15	Self-tapping screw
17	Rated label
18	Housing
19	Stator
20	Baffle
21	Bearing sleeve
22	Self-tapping screw
23	Bearing race
24	Dustproof ring
25	Rotor
26	Bearing press plate

No.	Description
27	Felt seal
28	Bearing race
29	Ring
30	Washer
31	Gear case
32	Side handle
33	Screw
34	Lock button
35	Compression spring
36	Snap ring
37	Self tapping screw
38	Needle bearing race
39	O-ring
40	Gear
41	Ring
42	Steel sleeve
43	Bearing race
44	Dustproof cover
45	Output shaft
46	Bearing holder
47	Washer
48	Self-tapping screw
49	Base plate

### PLACE THE BONNET (Fig. A)

Place the required bonnet securely over the hook-and-loop pad and make sure it's centrosymmetric, otherwise the polisher vibrates badly.

### SPREAD THE POLISH (Fig. B)

Spread about a tablespoonful of polish evenly over the entire surface of the pad cover. Do not apply polish directly to car. This first application should do about 1/3 of an average size car. For the second and third applications of polish, repeat as above. The pad cover will not adsorb as much when reloading.

### FITTING THE SANDING PAPER (Fig. C)

Sanding paper is easily attached on the pad of your polisher. Fit the paper over the plate so that it covers the entire area, push and slightly twist to make sure the coated sanding paper is even on the plate. Make sure the sanding paper is even with the edges and that it's centrosymmetric, otherwise the polisher vibrates badly. Remove the abrasive paper by pinching an edge and peeling off.

### LOCK-ON SWITCH (Fig. D)

Depress on/off switch (5) then lock-on button (6). Your switch is now locked on for continuous use. To switch off your tool just release the on/off switch.

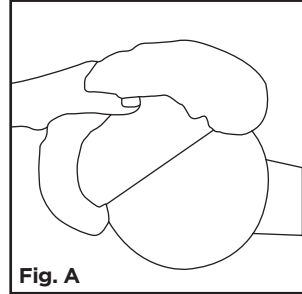


Fig. A

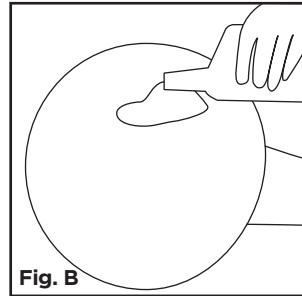


Fig. B

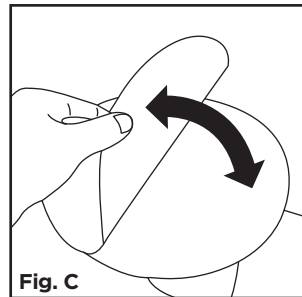


Fig. C

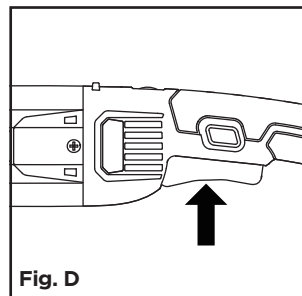


Fig. D



**NOTE:** Before using the tool, read the instruction book carefully.

**VARIABLE SPEED CONTROL (Fig.E)**

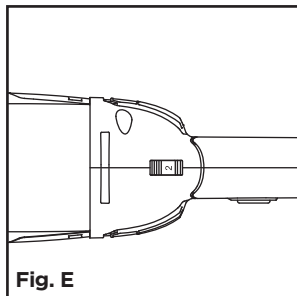
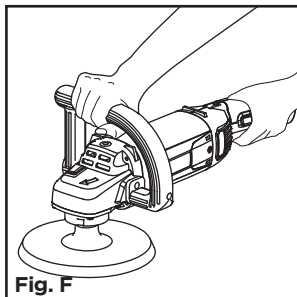
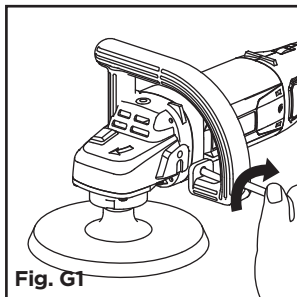
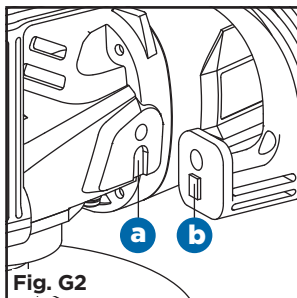
The speed increases as you turn the switch to a higher number and decreases at a lower number.

**HAND GRIP AREAS (Fig. F)**

Always hold your car polisher firmly with both hands when operating.

**INSTALLING THE FRONT HANDLE (FIG. G1, G2)**

For your personal safety, use the front handle at all times. Tighten the screw with the hex key clockwise.

**Fig. E****Fig. F****Fig. G1****Fig. G2****WARNING!**

- Make sure the protrusion (b) on the handle is locked in the groove (a) of the machine to secure the handle.



### SPINDLE LOCK BUTTON (Fig. H)

Press in the spindle lock button and rotate the hook-and-look pad by hand until it is locked.

**ATTENTION:** The spindle lock button must only be used when changing a pad. Never press it when the pad is rotating.

**Remove the plug from the socket before carrying out the adjustment.**

### TO REPLACE THE BRUSHES (FIG. I)

Remove the brush holder with the use of a screwdriver. Check the length of the brush and replace if under 7 mm. When brushes need replacement always renew both brushes, even if one is still more than 7 mm long. Put the brush holder into the body. Tighten the brush holder.

Check that the tool is working before use and allow it to run for a few minutes to enable the brushes to stabilize.

### TO USE THE CAR POLISHER (FIG. J)

Hold extension cord over the shoulder and do flat surfaces first, i.e., hood, trunk lid and roof. Cover areas quickly with broad sweeping strokes in a crisscross pattern. Do not press down on polisher. The machine without any pressure will automatically do the best job.

### FINAL WORK (FIG. K)

Use long, sweeping strokes in a criss-cross pattern to bring out the shine. Do not over-press the polisher.

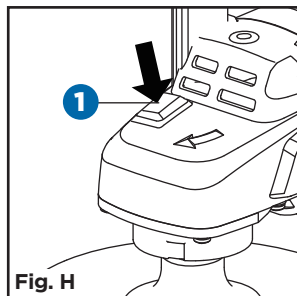


Fig. H

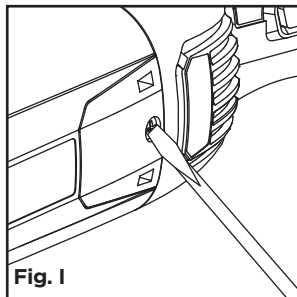


Fig. I

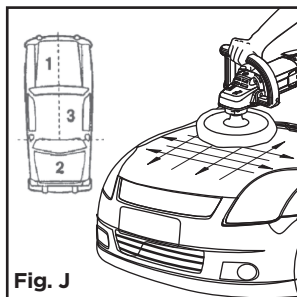


Fig. J

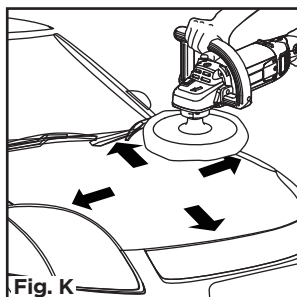


Fig. K

**WORKING HINTS FOR YOUR POLISHER**

- At all times, let the polisher do the work—do not force it or apply excessive pressure to the polisher. Preferably, use a light circular motion. Pressing too hard will slow down the machine's movement and affect the quality of the work.
- The most common error is applying too much wax. If pad adsorbs too much wax, it will not last as long, and polishing will be more difficult and will take longer.
- If bonnet continually comes off pad, please try with a new bonnet.
- If wax seems difficult to buff, you may have used too much wax.

## MAINTENANCE

**Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.**

Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

**TROUBLESHOOTING**

- If your power tool does not start, check the plug on the power supply first.
- If the polisher does not abrade surface, check the bonnet. If the bonnet has been worn, replace with new bonnet and try again.
- If a fault can not be rectified, return the tool to an authorized dealer for repair.

This MAXIMUM product is guaranteed for a period of 5 years from the date of original retail purchase against defects in workmanship and materials only and is subject to the following components:

- a) **Component A: Batteries/chargers can be repaired or replaced due to defects in workmanship and materials for a period of 3 years from the date of original retail purchase;**
- b) **Component B: The carrying case is guaranteed for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.**
- c) **Component C: Accessories, including drill bits and saw blades, do not carry a warranty.**



Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at the sole discretion of the Maximum Canada authorized repair centre ("Service Provider"). We will bear the cost of any repair or replacement and any costs of labour relating thereto.

**These warranties are subject to the following conditions and limitations:**

- a) a bill of sale verifying the purchase and purchase date must be provided;
- b) defects in workmanship and material to be assessed and determined by the Service Provider
- c) this warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect or lack of proper installation, operation or maintenance (as outlined in the applicable owner's manual or operating instructions);
- d) this warranty does not apply to normal wear and tear or to expendable parts or accessories (including drill bits and saw blades) that may be supplied with the product that by their nature have a limited life span and are expected to become inoperative or unusable after a reasonable period of use;
- e) this warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, rubber o-rings, tune-ups or adjustments;
- f) this warranty excludes the following components that may accompany your product:
  - (1) Batteries/chargers, which can be repaired or replaced due to defects in workmanship or materials for a period of 3 years from the date of original retail purchase. Any defects with such battery and/or charger will be subject to repair or replacement as determined by the Service Provider.
  - (2) The carrying case, which is only for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.
  - (3) Accessories, including drill bits and saw blades, which do not carry a warranty of any kind.
- g) this warranty will not apply where damage is caused by repairs made or

attempted by anyone other than the Service Provider (i.e. persons not authorized by the manufacturer), and any such unauthorized repairs or attempted repairs shall void this warranty in its entirety;

- h) this warranty will not apply to any parts other than original parts, except to the extent that the retailer or manufacturer or persons authorized by either of them have repaired or replaced them;
- i) this warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing);
- j) this warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons;
- k) this warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners; and
- l) this warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under that product manufacturer's warranty, if any;
- m) any products replaced by the retailer in attempt to fulfill warranty obligations is subject to the original product warranty conditions and related time period as initiated by the original date of purchase; if product is purchased in Quebec, the warranty term will be extended for a period equal to the time during which the Quebec retailer possesses the product in attempt to fulfill warranty obligations; replaced product will not default to new product warranty conditions; and
- n) The retailer and manufacturer's sole obligation and the purchaser's sole remedy under this warranty shall be as set out herein. The warranties contained herein are not transferable and are given only to the purchaser. FURTHER, THE WARRANTIES SET OUT HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, WHETHER EXPRESS, IMPLIED OR STATUTORY (INCLUDING SUCH AS ARISE UNDER THE SALE OF GOODS ACT OR THE INTERNATIONAL SALE OF GOODS ACT), ARISING OUT OF A COURSE OF DEALING OR USAGE OF TRADE OR OTHERWISE, INCLUDING, SUBJECT TO APPLICABLE LAW, ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, MERCHANTABLE QUALITY, FITNESS OR ADEQUACY FOR A PARTICULAR PURPOSE OR USE, AND ALL OTHER SUCH WARRANTIES ARE EXPRESSLY DISCLAIMED BY THE RETAILER AND MANUFACTURER.

## ADDITIONAL LIMITATIONS

This warranty applies only to the original purchaser and may not be transferred.

This warranty applies for a period of 5 years from the date of original retail purchase, as indicated on the bill of sale.

Neither the retailer, Maximum Canada, nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential or exemplary damages arising in connection with the sale, use or inability to use this product.

Under no circumstances shall the retailer, Maximum Canada, or manufacturer be liable to the purchaser for any claim for (a) indirect, special, punitive, incidental, exemplary, or consequential damages, (b) compensation for loss of profits, anticipated revenue, savings or goodwill, or other economic loss of the purchaser, (c) exemplary, aggravated or punitive damages howsoever incurred, (d) contribution or set-off in respect of any claims against the purchaser, (e) any damages whatsoever relating to third party products or services or the purchaser's materials, or (f) any damages whatsoever relating to interruption, delays, errors or omissions; in each case under any theory of law or equity, arising out of or in any way related to this warranty, even if advised of the possibility thereof. Notwithstanding any provision herein or entitlement of the purchaser at law, in equity or otherwise, in no event shall the liability of the retailer or manufacturer under this warranty, whether in contract, tort, product liability or otherwise, exceed, in the aggregate, the amount paid by the purchaser to the retailer for the product to which this warranty applies.

## **NOTICE TO CONSUMER**

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

In addition to the 5-Year Limited Warranty, this MAXIMUM product is covered by our:

### **1-YEAR REPAIR WARRANTY**

Maximum Canada will maintain this product and replace critical parts which have worn beyond reasonable use through normal use of such product, any time during the first year after purchase.

The following are excluded from this 1-Year Repair Warranty:

- a) Missing or damaged parts or components that are a result of abuse or misuse;
- b) Any wear and tear to non-critical parts or accessories that do not affect the core function of the product.

### **90-DAY SATISFACTION GUARANTEE**

If you are not completely satisfied with the performance of your MAXIMUM product for any reason, you can return it within 90 days from the date of purchase with proof of purchase for exchange or a full refund.

Imported by MAXIMUM Canada Toronto, Canada M4S 2B8

Made in China

