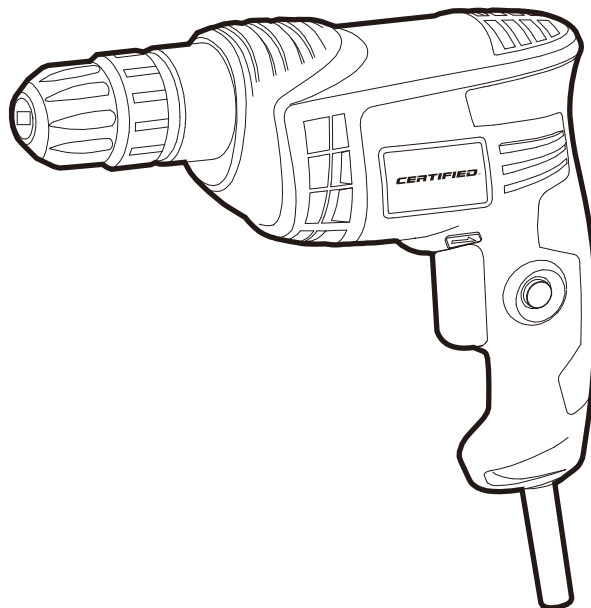




model number 054-5847-8

CORDED DRILL



IMPORTANT:

Please read this manual carefully before running this corded drill and save it for reference

**INSTRUCTION
MANUAL**

model number 054-5847-8



Read and understand this instruction manual thoroughly before using the product. It contains important information for your safety as well as operating and maintenance advice.

Keep this instruction manual for future use. Should this product be passed on to a third party, this instruction manual must be included.



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SAVE THESE INSTRUCTIONS

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

model number 054-5847-8

TECHNICAL SPECIFICATIONS

RATED POWER	4A
RATING VOLTAGE	120V, 60 Hz ~
NO LOAD SPEED	3000 RPM
KEYLESS CHUCK	3/8" (10 mm)
MAXIMUM DRILLING CAPACITY IN WOOD	UP TO 1" (25 mm) DRILL BITS
IN METAL	UP TO 3/8" (10 mm) DRILL BITS
TOOL WEIGHT	3 lb 3 oz (1.46 kg)



WARNING!

Safety symbols in this Instruction Manual are used to flag possible dangers. The safety symbols and their explanations require your full understanding. The safety warnings do not by themselves eliminate any danger, nor are they substitutes for proper accident prevention measures.



WARNING!

This Safety Alert Symbol indicates caution, warning, or danger. Failure to obey a safety warning can result in serious injury to yourself or others. To reduce the risk of injury, fire, or electric shock, always follow the safety precautions.

Know your tool

To operate this tool, carefully read this Instruction Manual and all labels affixed to the corded drill before using. Keep this manual available for future reference.

Important

This tool should only be serviced by a qualified service technician.

Read all instructions thoroughly.
Save these instructions.

General power tool safety warnings



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 mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAFETY GUIDELINES

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SAFETY GUIDELINES

Work area safety

- **Keep the 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.

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in anyway. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce the risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or 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 the 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 ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI 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 the 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.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection should be used for appropriate conditions, and will reduce the risk of personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising 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 over reach. 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 that these are connected and properly used.** Use of these devices 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 more safely at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn 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 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, tool bits, etc. in accordance with these instructions, 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

- **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 GUIDELINES

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Safety guidelines for corded drill

- Use the auxiliary handles if supplied with the tool. Loss of control can cause personal injury.
- Hold the power tool by the insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- The label on your tool may include the following symbols. The symbols and their definitions are as follows:

Symbol	Name	Designation/Explanation
V	Volts	Voltage.
A	Amperes	Current.
Hz	Hertz	Frequency (cycles per second).
W	Watts	Power.
min	Minutes	Time.
⤿	Alternating Current	Type of current.
— — —	Direct current	Type or a characteristic of current.
⏏	Grounding terminal	
/min	Per Minute	Revolutions, strokes, surface speed, orbits minute.
□	Class II Construction	Double-insulated construction.
n0	No-load speed	Rational speed, at no load.
📖	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product
BPM	Beats per minute	

- Use clamps or another practical way to support the workpiece and secure it to a stable platform. Holding the workpiece by hand or against your body is unstable and may lead to loss of control.
- Inspect the tool cords periodically and, if damaged, have them repaired by a qualified repair person. Constantly stay aware of the cord location. Following this rule will reduce the risk of electric shock or fire.

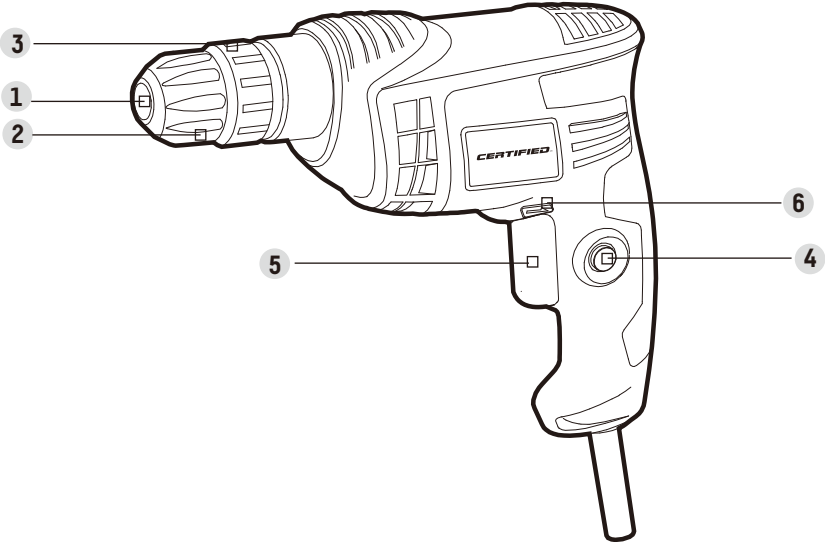
Contents:

Corded drill and instruction manual.

WARNING!

Remove the drill from the package and examine it carefully. Do not discard the carton or any packaging material until all parts have been examined.

Know your tool



No.	Description
1	Chuck Jaws
2	Chuck Sleeve
3	Collar

No.	Description
4	Lock-on Button
5	Trigger Switch
6	Direction of Rotation Selector

Before attempting to use this tool, become familiar with all of its operating features and safety requirements. For optimum performance and safety, read the following operating instructions carefully before using.

WARNING!

Do not allow familiarity with the drill to cause a lack of alertness. A fraction of a second of carelessness is enough to cause severe injury.

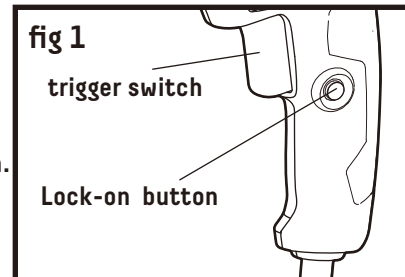
model number 054-5847-8

**WARNING!**

Never connect the drill to the power source when you are assembling parts, making adjustments, installing or removing bits, cleaning, or when it is not in use, as this could cause serious personal injury. Disconnecting the drill will prevent accidental starting.

Trigger switch (fig 1)

1. Connect the power cord of your drill to a standard household power outlet.
2. To turn the drill ON, press the trigger switch.
3. To turn the drill OFF, release the trigger switch.

**Lock-on button (fig 1)**

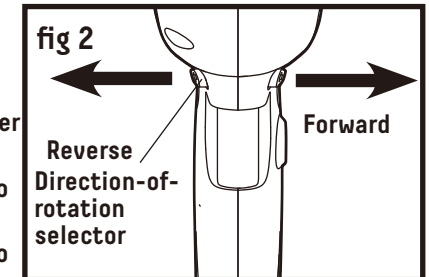
This drill is equipped with a lock-on button, which is convenient for continuous drilling for extended periods of time.

1. To drill continuously, press and hold the trigger switch and then press the lock-on button. Release the trigger switch.
2. To unlock the lock-on button and stop continuous drilling, press the trigger switch and the lock-on button will release automatically.

Direction-of-rotation selector (fig 2)

The direction of bit rotation is reversible and is controlled by a selector located above the trigger switch. With the drill held toward you:

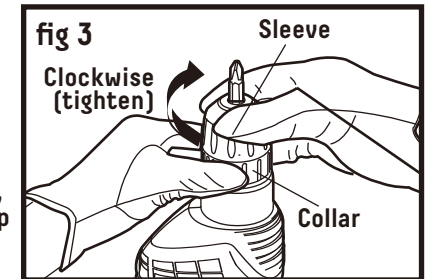
1. Position the direction-of-rotation selector to the right of the tool for forward rotation.
2. Position the direction-of-rotation selector to the left of the tool for reverse rotation.

**WARNING!**

To prevent gear damage, always allow the drill to come to a complete stop before changing the direction of rotation.

Installing bits (fig 3)

1. Unplug the drill from the power source.
2. Hold the collar and turn the sleeve counterclockwise to open the chuck jaws.
3. Open the chuck jaws until the opening is slightly larger than the bit you intend to use, and raise the front of the drill slightly to keep the bit from falling out of the chuck jaws.
4. Insert the drill bit into the chuck.
5. Hold the collar firmly and turn the sleeve clockwise to tighten the chuck.

**WARNING!**

Insert the drill bit straight into the chuck jaws. Inserting the drill bit into the chuck jaws at an angle and then tighten the chuck and using the drill could cause the drill bit to be thrown from the drill, resulting in possible serious personal injury or damage to the chuck.

**WARNING!**

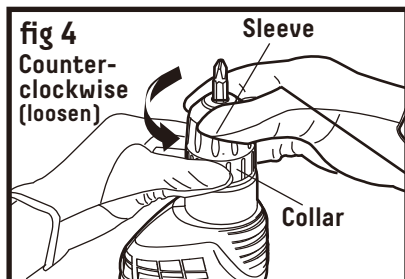
Never hold the collar by one hand and press the trigger to release/tighten the chuck as this could cause serious personal injury.

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Removing Bits (fig 4)**WARNING!**

Use protective gloves when removing the bit from the tool, or allow the bit to cool down first. The bit may be hot after prolonged use.

1. Unplug the drill from the power source.
2. Hold the collar and turn the sleeve counterclockwise to open the chuck jaws.
3. Remove the drill bit.

**WARNING!**

Never hold the collar by one hand and press the trigger to release/tighten the chuck as this could cause serious personal injury.

Drilling

1. Secure the material to be drilled in a vise or with clamps to keep it from turning as the drill bit rotates.
2. Install the correct bit.
3. Verify that the direction-of-rotation selector is at the correct setting (forward).
4. Hold the drill firmly and place the bit at the point to be drilled.
5. Press the trigger switch to start the drill.
6. Move the drill bit into the workpiece, applying only enough pressure to keep the bit cutting. Do not force the drill or apply side pressure to elongate a hole. Allow the tool to do the work.
7. When drilling hard, smooth surfaces, use a center punch to mark the desired location of the hole. This will prevent the drill bit from slipping off-center as the hole is started.
8. When drilling metals, use light oil on the drill bit to keep it from overheating. The oil will prolong the life of the bit and increase the drilling action.
9. If the bit jams in the workpiece or if the drill stalls, stop the tool immediately. Reverse the direction of rotation and gently squeeze the trigger switch to remove the bit from the workpiece. Investigate and correct the cause of jamming before you resume work.

Drilling into wood

For maximum performance, use high-speed steel or brad-point bits for wood drilling.

1. When drilling holes all the way through the workpiece, place a block of wood behind the workpiece to prevent ragged or splintered edges on the back side of the hole.

Drilling into metal

For maximum performance, use high-speed steel bits for metal or steel drilling.

1. When drilling metals, use light oil on the drill bit to keep it from overheating. The oil will prolong the life of the bit and increase the drilling action.
2. Maintain a speed and pressure that allows cutting without overheating the bit. Applying too much pressure will:
 - Overheat the drill
 - Wear the bearings
 - Bend or burn the bits
 - Produce off-center or irregularly-shaped holes

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Screw driving

Try to use modern screws for easy driving and improved grip.

1. Install the correct driver bit.
2. Insert the driver bit into the screw head, applying only enough pressure to engage the bit in the screw head.
3. Apply minimal pressure to the trigger initially. Increase the speed only when full control can be maintained.
4. Keep sufficient pressure on the drill to prevent the bit turning out of the screw head. The screw head can easily become damaged, making it difficult to drive it home or remove it.
5. To stop the drill, release the trigger switch and allow the tool to come to a complete stop.

It is advisable to drill a pilot hole first, slightly longer than the screw to be driven and just smaller than the shank diameter of the screw. The pilot hole will act as a guide for the screw and will also make tightening the screw less difficult. When screws are positioned close to an edge of the material, a pilot hole will also help to prevent splitting of the wood. Use a countersinking bit (available separately) to accommodate the screw head, so that it does not protrude from the surface.

If the screw becomes difficult to drive home, remove the screw and try a slightly larger or longer pilot hole, but remember that there must be enough remaining material for the screw to grip! If restarting a screw in a hole, make the first few turns by hand. If the screw is still difficult to drive (as when using very hard woods) try using a lubricant such as soap; liquid soap is usually best.

Before each use

1. Inspect the drill, the trigger switch, the cord and the accessories for damage.
2. Check for damaged, missing, or worn parts.
3. Check for loose screws, misalignment or binding of moving parts, or any other condition that may affect the operation.
4. If abnormal vibration or noise occurs, turn the tool off immediately and have the problem corrected before further use. Unplug the tool from power source before cleaning or performing any maintenance. Using compressed air may be the most effective cleaning method. Always wear safety goggles when cleaning tools using compressed air.



WARNING!

Do not allow brake fluids, gasoline, petroleum-based products, penetrating oil, etc. to come into contact with plastic parts. These substances contain chemicals that can damage, weaken, or destroy plastic.



WARNING!

When servicing, use only identical replacement parts. The use of any other parts may create a hazard or cause damage to the product.



WARNING!

Use only accessories that are recommended for this drill by the manufacturer. Accessories that may be suitable for one tool may become hazardous when used with another tool.



WARNING!

If the supply cord of this power tool is damaged, it must be replaced by a specially prepared cord available through a qualified service technician.



WARNING!

Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools with sharp cutting edges are less likely to bind, and are easier to control.



WARNING!

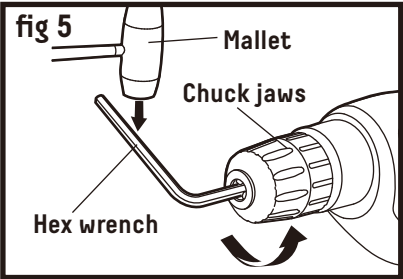
To ensure safety and reliability, all repairs should be performed by a qualified service technician.

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Removing the chuck(fig 5)

- 1. Unplug the drill from the power source.
- 2. Open the chuck jaws by turning the sleeve in a counterclockwise direction.
- 3. Use a star head screwdriver (not included) to remove the chuck screw by turning it i in a clockwise direction.
- 4. Insert a 5/16" or larger hex key (not included) into the chuck and securely tighten the chuck jaws around the hex key.
- 5. Tap the hex key sharply with a mallet (not included) in a counterclockwise direction. This will loosen the chuck for easy removal.

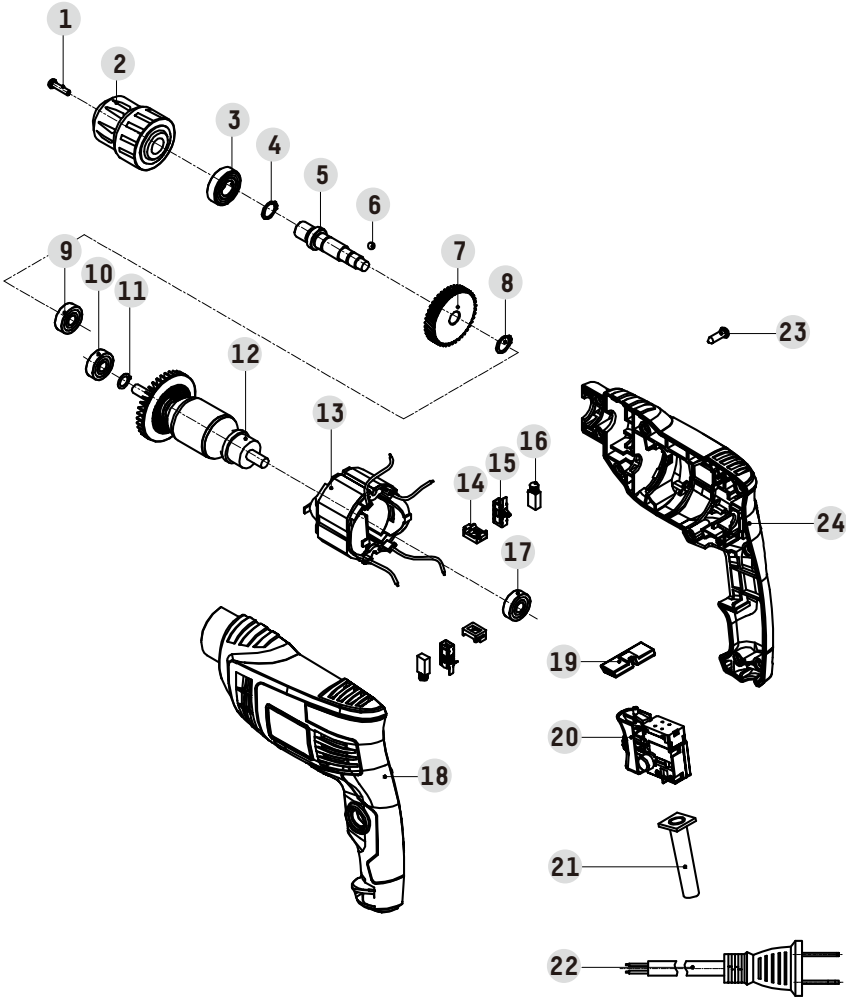
NOTICE: The chuck screw has left-handed threads. Attach a new chuck to the spindle and tighten the chuck screw.



ITEM	PROBLEM	POSSIBLE CAUSES	SOLUTIONS
1	The motor does not start.	The tool is not connected to a power source.	Connect the tool to a power source.
2	The bit cannot be installed.	1. The sleeve is not released. 2. The bit does not fit the chuck jaw.	1. Release the sleeve. 2. Use the appropriate bit.
3	The motor is overheating.	Ensure cooling vents are free of dust and obstacles.	Clean and clear vents. Do not cover with hand during operation.

model number 054-5847-8

Exploded view



No.	Description	No.	Description
1	SPIN SCREW	13	STATOR
2	DRILL CHUCK	14	BRUSH HOLDER
3	BALL BEARING	15	COPPER BRUSH HOLDER
4	CIRCLIP	16	CARBON BRUSH
5	OUTPUT SHAFT	17	BALL BEARING
6	STEEL BALL	18	LEFT HOUSING
7	BIG GEAR	19	REVERSE BUTTON
8	CIRCLIP	20	SWITCH
9	BALL BEARING	21	CABLE SHEATH
10	BALL BEARING	22	CABLE
11	WASHER	23	SCREW
12	ROTOR	24	RIGHT HOUSING

PARTS LIST

PARTS LIST

This CERTIFIED™ product is guaranteed for a period of 1 year from the date of original retail purchase against defects in:

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 our option. 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) 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) or which is being used for industrial, professional, commercial or rental purposes;
- c) this warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product That are expected to become inoperative or unusable after a reasonable period of use;
- d) 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, tune-ups or adjustments;
- e) this warranty will not apply where damage is caused by repairs made or attempted by others (i.e. persons not authorized by the manufacturer);

- f) 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);
- g) 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;
- h) 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
- i) this warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional limitations

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer 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 or inability to use this product.

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.

MADE IN CHINA

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