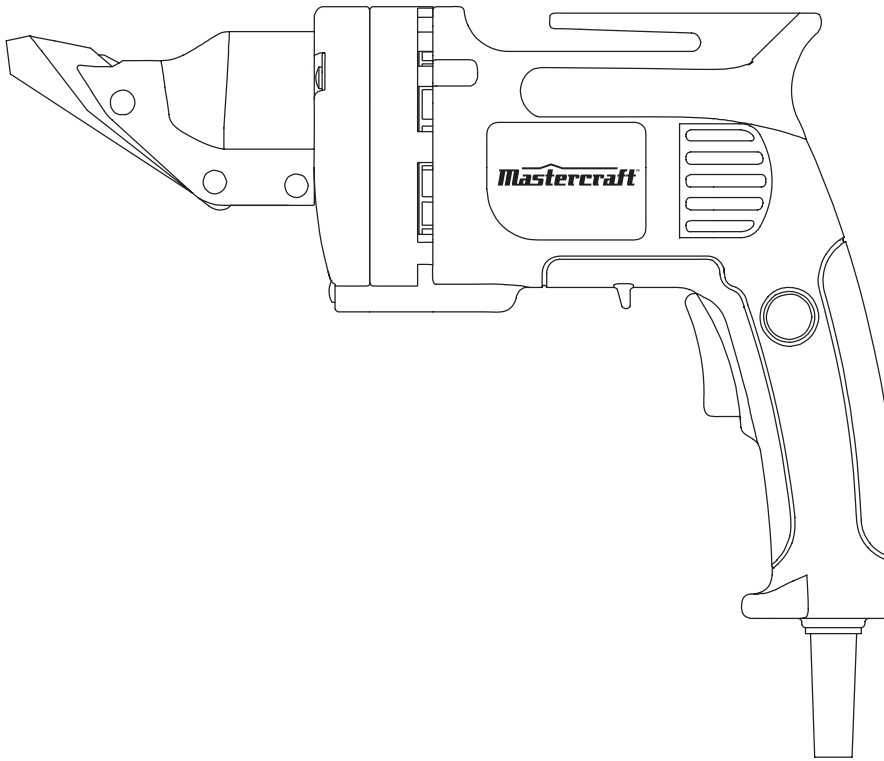
model no. 054-6962-6

Mastercraft® MD

CORDED METAL SHEAR



IMPORTANT:
Please read this manual carefully before running this metal she
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 1-800-689-9928.

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:	4A
No-load speed:	0-2500 SPM
Minimum cutting radius:	7 7/8˝ (20 cm)
Maximum cutting capacity:	Sheet metal: 18 gauge (1.2 mm)
	Stainless steel: 20 gauge (0.9 mm)
Head swivel:	360º
Protection class:	Double Insulated ⧈/II
Cord length:	6’ (1.8 m)
Machine weight:	4 lb 13 oz (2.2 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.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way.** Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce 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 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.

WARNING!

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, 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 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.

- **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 dust collection 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 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.

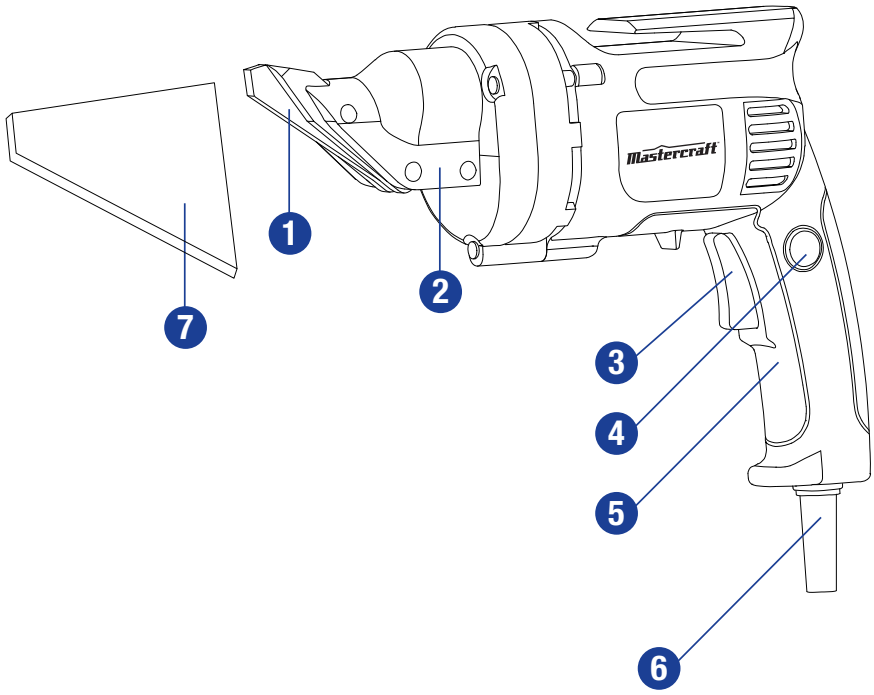
SYMBOLS

	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

KEY PARTS DIAGRAM

No.	Description
1	Cutting blade
2	360° swivel head
3	Variable speed trigger switch
4	Lock-on button

No.	Description
5	Handle
6	Power cable
7	Blade cover



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

ACCESSORIES

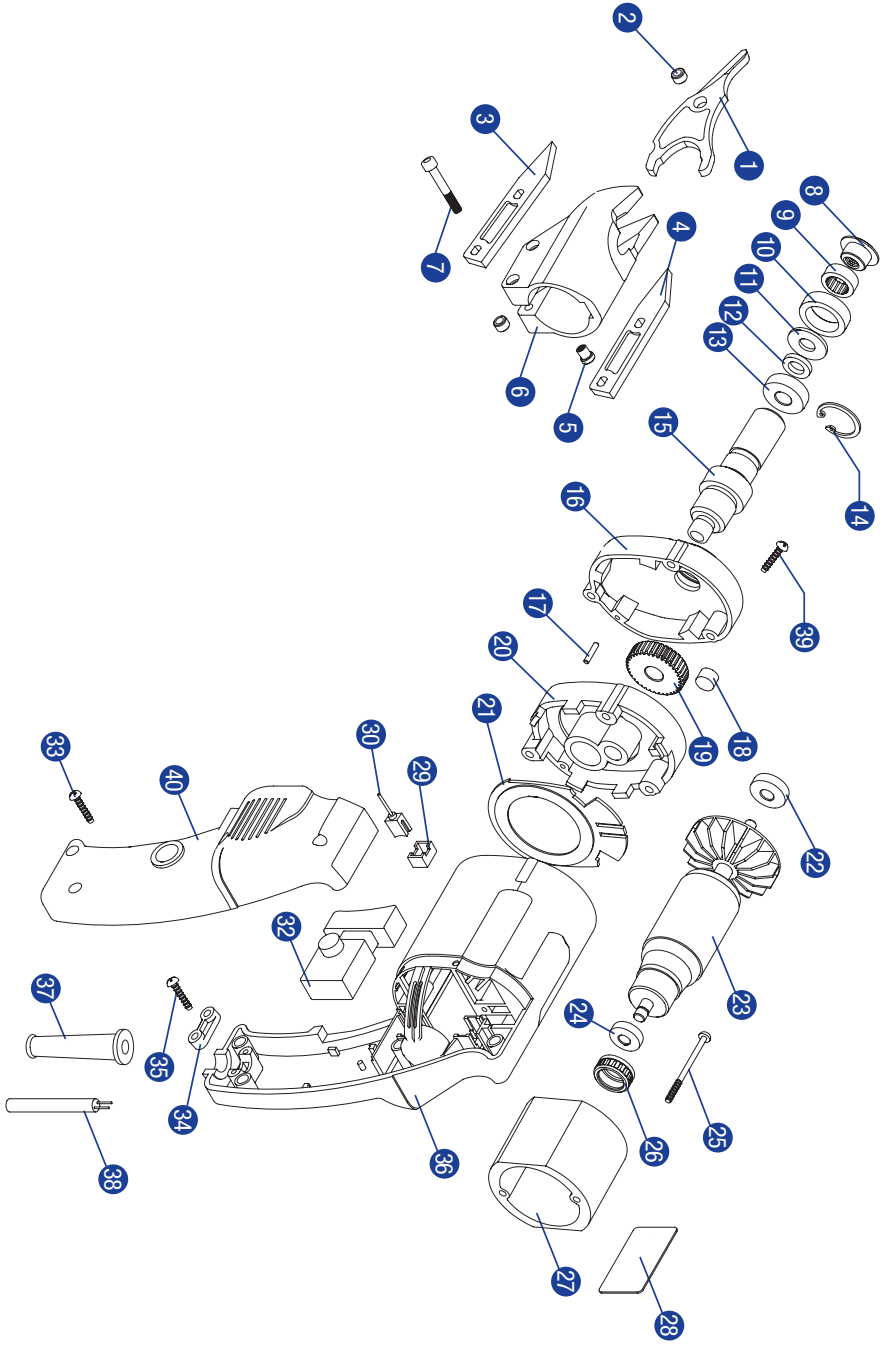
Hex key	1

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.

PARTS LIST

No.	Description	Qty.
1	Middle blade	1
2	Bearing sleeve	2
3	Right blade	1
4	Left blade	1
5	Nut	3
6	Blade base	1
7	Screw	3
8	Aberrancy nut	1
9	Bearing	1
10	Bearing sleeve	1
11	Washer	1
12	Washer	1
13	Bearing	1
14	Retaining ring	1
15	Spindle	1
16	Gear cover	1
17	Pin	1
18	Bearing	1
19	Gear	1
20	Gear base	1
21	Wind shield	1
22	Bearing	1
23	Rotor	1
24	Bearing	1
25	Screw	3
26	Bearing sleeve	1
27	Stator	1
28	Rated label	1
29	Copper bush	2
30	Carbon brush (pair)	1

No.	Description	Qty.
31	Brand Label	1
32	Switch	1
33	Screw	4
34	Press wire board	1
35	Screw	2
36	Housing	1
37	Cord sleeve	1
38	Power cord	1
39	Screw	2
40	Housing cover	1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VARIABLE SPEED TRIGGER SWITCH AND LOCK-ON BUTTON (See Fig. A)

Depress trigger switch (3) to start and release it to stop your metal shear. It is also a variable speed switch that delivers higher speed with increased trigger pressure. Speed is controlled by the amount of switch trigger depression.
When operating the metal shear for a period of time at its fastest speed, the switch trigger can be locked in the ON position, press the lock-on button (4) into the handle and the tool will continue to run at its fastest speed.
To switch this tool off, simply squeeze and release the trigger switch (3).

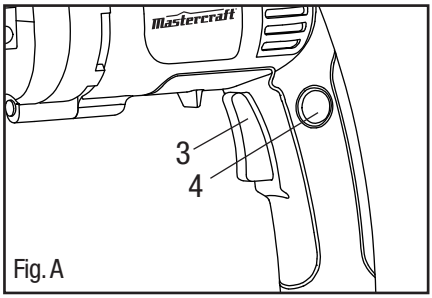

Fig. A

SHEARING (See Fig. B)

- Before cutting the "good" workpiece, make practice cuts on a "scrap" workpiece until you are comfortable with operating the tool and with your ability to follow cutting lines.
- Place the shearing jaws of the tool at the edge of workpiece.
- Squeeze the variable speed trigger switch (3) and gradually move the blades into the material in desired direction.

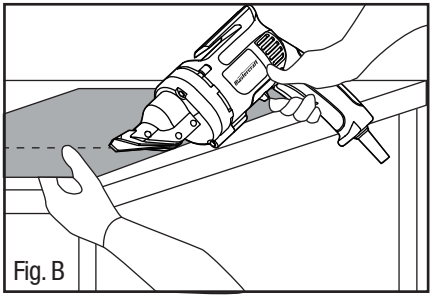
Fig. B

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

NOTE: Maker sure the cutting jaws are aligned with the cutting mark, allow for adequate room for the material being cut away. The cut line will be at least 1/16" (1.5 mm) wide.

NOTE: The scrap piece that is being removed will normally curl out of the way.

WARNING!
Before shearing, make sure the work area is clear of any foreign objects and mark the shearing line clearly on the workpiece. Secure small workpieces in a vise or on a stable platform.

ADJUSTING THE 360° SWIVEL HEAD (See Fig. C1, C2)

When shearing large workpieces or curves, you may wish to rotate the swivel head to reduce the interference with the handle.

The cutting head can be rotated by 360° to allow the handle to be positioned so that it will not interfere with the shearing area.

Rotate the three screws (a1, a2, a3) counter-clockwise with supplied hex key to unscrew the 360° swivel head screw.

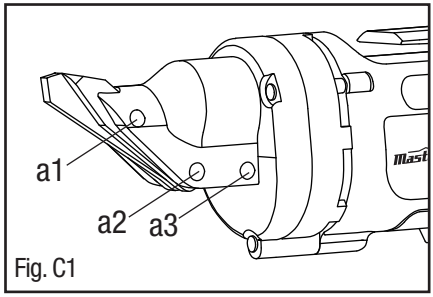

Fig. C1

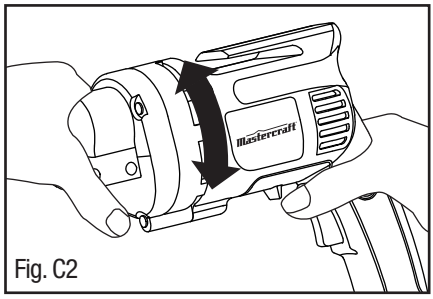

Fig. C2

NOTE: Rotate the screw (a1, a2) in counter-clockwise direction for about two turns, and rotate the screw (a3) in counter-clockwise direction for about three turns.

WARNING!
Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventative safety measures reduce the risk of starting the power tool accidentally.

WARNING!
Blade teeth are very sharp. Wear productive gloves when adjusting the swivel head.

REPLACING THE CUTTING BLADE (See Fig. D)

After considerable use, the cutting blade will become worn and will have to be replaced. The following instructions detail how to remove and replace cutting blade.

1. Remove the screw (a3) with the hex key ensuring you do not lose the two short spacers (d1, d2).
2. Remove all the three old blades (e1, e2, e3) and install new ones.

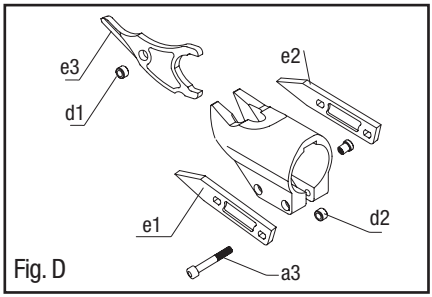

Fig. D

NOTE:

The right blade (e1) has two slotted holes; left blade (e2) has one, The right blade (e1) has two slotted holes; left blade (e2) has one slotted hole and one round hole.

- Make sure the blade screw (a3) is properly located in the swivel head before tightening, but do not over-tighten.

WARNING!

Remove the plug from the power source before replacing the cutting blade.

WARNING!

Blade teeth are very sharp. Wear productive gloves when replacing the cutting blade.

MAINTAIN TOOLS WITH CARE

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.
Periodically clear dust and chips from guard and base to ensure proper performance.
Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.
If the supply cord is damaged, it must be replaced by the manufacturer, or similarly-qualified persons in order to avoid a hazard.

TROUBLESHOOTING

Symptom	Possible Causes	Possible Solution
Tool will not start.	1. Cord not connected.	1. Check that cord is plugged in.
	2. No power at outlet.	2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads.
	3. Tool's thermal reset breaker tripped (if equipped).	3. Turn off tool and allow to cool. Press reset button on tool.
	4. Internal damage or wear. (Carbon brushes or switch, for example).	4. Have technician service tool.
Tool operates slowly.	1. Extension cord too long or wire size too small.	1. Use an extension cord with the proper length and wire gauge for the the tool.
	2. Debris in cutting blades.	2. Remove debris.
Performance decreases over time.	1. Blades dull or damaged.	1. Keep blades sharp. Replace as needed.
	2. Carbon brushes worn or damaged.	2. Have qualified technician replace brushes.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example).	Have technician service tool.
The blades keep still while motor running.	Possible broken gear from material overload.	Have technician service tool.
Overheating.	1. Forcing tool to work too fast.	1. Allow tool to work at its own rate.
	2. Blade(s) misaligned.	2. Check and correct blade(s) alignment.
	3. Blade(s) dull or damaged.	3. Keep blade(s) sharp. Replace as needed.
	4. Blocked motor housing vents.	4. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.
	5. Motor being strained by long or small diameter extension cord.	5. Use an extension cord with the proper length and wire gauge for the tool.

This Mastercraft product is guaranteed for a period of 3 years from the date of original retail purchase against defects in workmanship and materials, except for the following components:

a) Component A: Batteries, chargers and carrying case, which are guaranteed for a period of 2 years from the date of original retail purchase against defects in workmanship and materials;

b) Component B: Accessories, which are guaranteed for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.

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 seasonable 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 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.

This product is not guaranteed if used for industrial or commercial purposes.

Made in China

Imported by Mastercraft Canada Toronto, Canada M4S 2B8