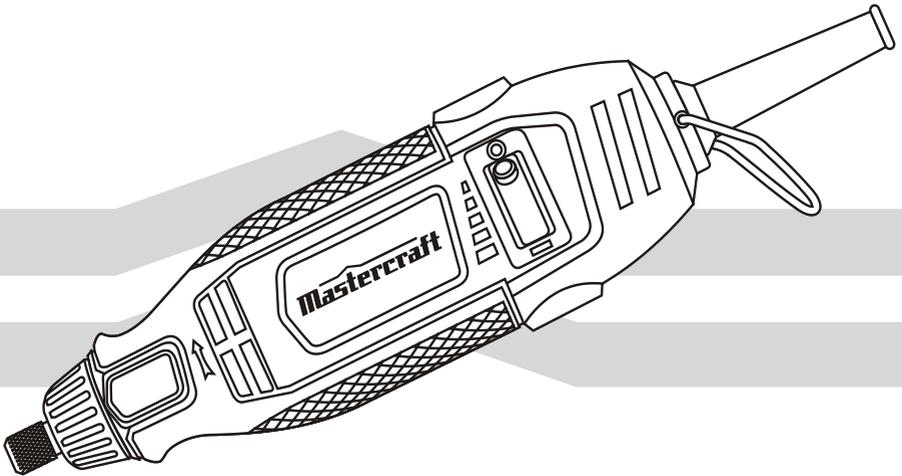


# **Mastercraft** <sup>TM/MC</sup>



INSTRUCTION MANUAL  
**CORDED ROTARY  
TOOL KIT**

054-4891-6

If any parts are missing or damaged, or if you have any questions, please call our toll-free helpline at 1-800-689-9928.



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, then this instruction manual must be included.

This symbol designates that this tool is listed with Canadian requirements by ETL Testing Laboratories, Inc. Conforms to UL Std. 60745-1, 60745-2-3.

LISTED



Intertek  
3042597  
JD3316U

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Rating	120 V, 60 Hz, AC
Amperes	1.5 A
Chuck speed	5,000–35,000 RPM <i>(no load)</i>
Collets	1/16", 3/32" & 1/8"
Weight	1 lb 2 oz <i>(780 g)</i>

## General safety warnings

**! WARNING:** Before using this tool or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions. The important precautions, safeguards and instructions appearing in this manual are not meant to cover all possible situations. It must be understood that common sense and caution are factors which cannot be built into the product.

This instruction manual includes the following:

- General Safety Rules
- Specific Safety Rules and Symbols
- Functional Description
- Assembly
- Operation
- Maintenance
- Accessories

### EYE, EAR & LUNG PROTECTION



**ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA REQUIREMENTS or ANSI SAFETY STANDARD Z87.1**

**FLYING DEBRIS can cause permanent eye damage. Prescription eyeglasses ARE NOT a replacement for proper eye protection.**

**! WARNING:** Non-compliant eyewear can cause serious injury if broken during the operation of a power tool.

**! WARNING:** Use hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy.



**WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A POWER TOOL IN A DUSTY ENVIRONMENT.**

SAVE THESE INSTRUCTIONS FOR REFERENCE

**⚠ WARNING:** Dust that is created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities. These chemicals include:

- Lead from lead-based paints
- Crystalline silica from bricks, cement, and other masonry products
- Arsenic and chromium from chemically treated lumber

The level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.

### Electrical safety



**⚠ WARNING:** To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection.

This tool is wired at the factory for 120 V AC operation. It must be connected to a 120 V AC, 15 A circuit that is protected by a time-delayed fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

### Power tool safety



**⚠ WARNING:** Read all safety warnings and all 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.

### 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.

SAVE THESE INSTRUCTIONS FOR REFERENCE

**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.

**If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a ground fault circuit interrupter (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 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.

SAVE THESE INSTRUCTIONS FOR REFERENCE

**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, 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.

SAVE THESE INSTRUCTIONS FOR REFERENCE

**Hold power tools by insulated gripping surfaces when performing an operation where cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

#### 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.

#### Specific safety rules

**! WARNING:** Know your rotary tool. Do not plug the rotary tool into the power source until you have read and understand this Instruction Manual. Learn the tool's applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire, or serious injury.

Always wear eye protection. Any power tool can throw foreign objects into your eyes and cause permanent eye damage. ALWAYS wear safety goggles (not glasses) that comply with ANSI safety standard Z87.1. Everyday glasses have only impact resistant lenses. They ARE NOT safety glasses.

**! WARNING:** Glasses or goggles not in compliance with ANSI Z87.1 could cause serious injury when they break.

Always make sure the work surface is free from nails and other foreign objects. Cutting into a nail can cause the bit and the tool to jump and damage the bit.

Never hold the workpiece in one hand and the tool in the other hand when in use. Never place the hands near or below the cutting surface. Clamping the material and guiding the tool with both hands is much safer.

Never lay the workpiece on hard surfaces like concrete, stone, etc. The protruding cutting bit may cause tool to jump.

SAVE THESE INSTRUCTIONS FOR REFERENCE

Always wear safety goggles and a dust mask. Use only in well-ventilated areas. Using personal safety devices and working in a safe environment reduces risk of injury.

After changing the bits and accessories or making adjustments, make sure the collet nut and any other adjustment devices are securely tightened. Loose adjustment devices will be violently thrown.

Always use the correct collet size. If the collet size is larger than the accessory shank size it will not grip the shank properly, leading to possible injury to the operator or damage to the tool.

Always check accessory bits, grinding stones, cut-off wheels etc. for damage before each use. Damaged accessories can break during use and cause serious injury.

Never use dull or damaged bits. Sharp bits must be handled with care. Damaged bits can snap during use. Dull bits require more force to push the tool, possibly causing the bit to break.

Never touch the bit during or immediately after use. After use the bit is too hot to be touched by bare hands.

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.

## Extension cord safety

**! WARNING:** Keep the extension cord clear of the working area. Position the cord so it will not get caught on the workpiece, tools or any other obstructions while you are working with the power tool.

Make sure any extension cord used with this tool is in good condition. When using an extension cord, be sure to use one of heavy enough gauge to carry the current the tool will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.

The table below shows the correct size to use according to cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number the heavier the cord.

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it. Protect your extension cord from sharp objects, excessive heat and damp or wet areas.

Use a separate electrical circuit for your power tools. This circuit must not be less than 14 gauge wire and should be protected with either a 15 A time delayed fuse or circuit breaker. Before connecting the power tool to the power source, make sure the switch is in the OFF position and the power source is the same as indicated on the nameplate. Running at lower voltage will damage the motor.

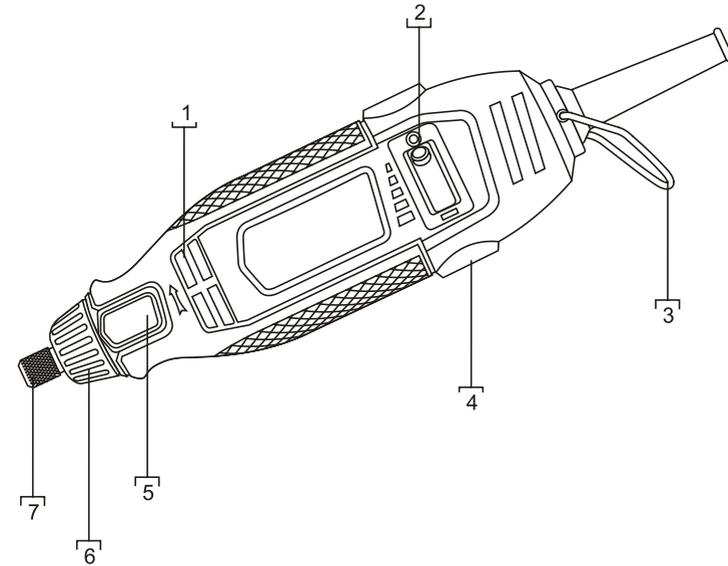
MINIMUM GAUGE (AWG) EXTENSION CORDS (120 V use only)					
Amperage rating		Total length			
More than	Not more than	25' (7.5 m)	50' (15 m)	100' (30 m)	150' (45 m)
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Applicable	

## Symbols

**! WARNING:** Some of the following symbols may appear on the rotary tool. Study these symbols and learn their meaning. Proper interpretation of these symbols will allow for more efficient and safer operation of this tool.

- V ..... Volts
- A ..... Amperes
- Hz ..... Hertz
- W ..... Watts
- kW ..... Kilowatts
- μF ..... Microfarads
- L ..... Litres
- Kg ..... Kilograms
- H ..... Hours
- N/cm<sup>2</sup> ..... Newtons per square centimetre
- Pa ..... Pascals
- OPM ..... Oscillations per minute
- Min ..... Minutes
- S ..... Seconds
-  .. Alternating current
- or AC .....
-  .. Three-phase alternating current
-  .. Three-phase alternating current with neutral
-  ..... Read all safety warnings and instructions

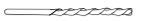
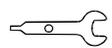
-  ... Direct current
-  ..... No load speed
-  ..... Alternating or direct current
-  ..... Class II construction
-  ..... Splash-proof construction
-  ..... Watertight construction
-  ..... Protective grounding at grounding terminal, Class I tools
- .../min ... Revolutions or reciprocations per minute
- ∅ ..... Diameter
- 0 ..... Off position
-  ..... Directional arrow
-  ..... Warning symbol
-  ..... Wear your safety glasses
-  ..... Wear hearing protection



No.	Description	No.	Description
1	Air vents	5	Spindle lock button
2	ON/OFF speed switch	6	Umbrella nut
3	Hanging loop	7	Collet nut
4	Replaceable motor brushes		

Illustration	Description	Shape	Qty
	Aluminium oxide grinding stone	3/8" Radial	1
	Aluminium oxide grinding stone	5/8" Radial	1
	Aluminium oxide grinding stone	Parabolic 3/8"	2
	Aluminium oxide abrasive wheel	3/4"	2
	Silicon carbide grinding stone	3/8" Radial	2
	Silicon carbide grinding stone	5/8" Radial	2
	Silicon carbide abrasive wheel	3/4"	2
	Grinding disc	7/8"	1
	Heavy duty cut-off wheel	15/16" x 0.031" thick	40
	Bristle brush	1/2" Axial	1
	Bristle brush	1/4" Axial	1
	Stainless steel brush	1/2" Axial	1
	Brass brush	1/2" Axial	1
	Brass brush	3/4" Radial	1

Illustration	Description	Shape	Qty
	Felt polishing wheel	1/2"	2
	Felt polishing wheel	1"	1
	Felt polishing tip	3/8" Pointed tip	1
	Cloth wheel	1"	1
	Rubber polishing wheel	7/8"	1
	Sanding band	1/4" 60 grit	4
	Sanding band	1/4" 120 grit	4
	Sanding band	1/2" 60 grit	4
	Sanding band	1/2" 120 grit	4
	Drum sander	1/4" with 1/8" shank for 1/4" sanding band	1
	Drum sander	1/2" with 1/8" shank for 1/2" sanding band	1
	Diamond point	5/64" Ball	1
	Diamond point	5/32" Ball	1

Illustration	Description	Shape	Qty
	Diamond point	5/64" Taper	1
	Multi-purpose bit	1/8" Cylinder	2
	Multi-purpose bit	3/32" Cylinder	2
	Multi-purpose bit	1/16" Cylinder	2
	Collet	1/8"	1
	Collet	3/32"	1
	Collet	1/16"	1
	Screw mandrel	1/8"	2
	Mandrel for felt wheels	1/8"	1
	Wrench	For collet nut, drum sander	1
	Dressing stone	3/8 x 3/8 x 1" square	1
	Grinding compound		1

**NOTE: Not all accessories listed below are included with this tool. Please refer to Pages 14, 15 & 16 for a listing of those accessories included with this tool.**

Accessory Description	Accessory Use
Aluminium oxide (pink) <ul style="list-style-type: none"> <li>Grinding stones</li> <li>Grinding wheels</li> <li>Abrasive wheels</li> </ul>	Use on metals, castings, welded joints, rivets and rust. Ideal for sharpening, de-burring, rust removal and general-purpose grinding of most materials.
High-speed steel cutter	For shaping, hollowing, grooving, slotting and making tapered holes in soft metals, plastics and woods.
Cut-off wheel	Ideal for cutting, grooving and trimming all kinds of materials—including metal, wood and ceramics. You can use it to cut screws and rusted bolts, make slots in screw heads, trim castings and more.
Polishing wheel <ul style="list-style-type: none"> <li>Felt &amp; cloth</li> </ul>	Ideal for polishing most metal surfaces and plastics. Can be used with polishing compound.
Bristle brush	Use for light de-burring, cleaning and polishing of silverware, jewellery and other precious metals. Can be used with polishing compound.
Brass brush	Brass brushes are non-sparking and softer than steel. They will not scratch soft metals like gold, copper, brass, etc.
Multi-purpose bit	Cuts wood, plastic, fibreglass, drywall, laminate, aluminium and vinyl siding.
Sanding band	For rough shaping and smoothing wood and fibreglass; removing rust from metal surfaces; shaping rubber surfaces. Sanding bands are easily replaceable on drums.
Sanding wheel	Ideal for rough-shaping and smoothing wood and fibreglass—as well as removing rust from metal surfaces, shaping rubber surfaces and more.
Screw mandrel	Use with sanding discs, felt wheels, polishing, grinding and cut-off wheels.
Mandrel for cloth wheel	Use with sanding discs and polishing, grinding and cut-off wheels.
Collet	For use with accessories.
Collet wrench	For tightening & loosening collet nut, screw of drum sanders.

Accessory Description	Accessory Use
Dressing stone	Cleans grinding wheels and stones. Shapes or reshapes stones for desired applications.
Silicon carbide (green) <ul style="list-style-type: none"> <li>Stones</li> <li>Wheels</li> </ul>	Designed to work well on stone, glass, ceramics, porcelain and non-ferrous metals.
Polishing wheel <ul style="list-style-type: none"> <li>Emery-impregnated</li> </ul>	Ideal for cleaning and polishing coarse surfaces.
Stainless steel brush	Stainless steel brushes do not cause "after-rust" when used on corrosive-resistant materials like pewter, aluminium and stainless steel.
Mandrel for emery-impregnated polishing wheel	Use with emery-impregnated polishing wheel.
Carbide grout cutter	Ideal for use on wall and floor grout.
Flap wheel	Flap wheels grind and polish flat or contoured surfaces. They are used most effectively to finish a surface after heavier sanding and material removal have been completed.
Diamond wheel point	Great for cutting, sawing and carving of hard materials such as marble, concrete, brick, porcelain, ceramics, hard epoxy and soft and hard wood.
Engraving Cutter	For detail engraving, carving and routing in wood, fibreglass, plastic and soft metals.
Tungsten-carbide cutter	Use for shaping, smoothing and material removal. Use on hardened steel, stainless steel, cast iron, nonferrous metals, fired ceramics, plastics, hard woods and other hard materials.

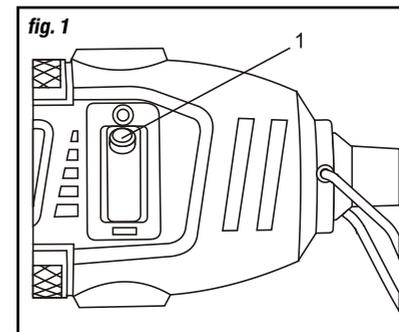
**NOTE: This Rotary Tool is also compatible with most accessories and attachments provided by other leading**

## ON/OFF & Speed control switch

Both the ON/OFF and speed control functions are controlled by one switch (1) located on the top of the tool (fig. 1).

To turn the tool ON, slide the switch to the left. To turn the tool OFF, slide the switch to the right.

To increase the speed, turn the tool ON and continue to slide the switch to the left. To decrease the speed, slide the switch to the right.



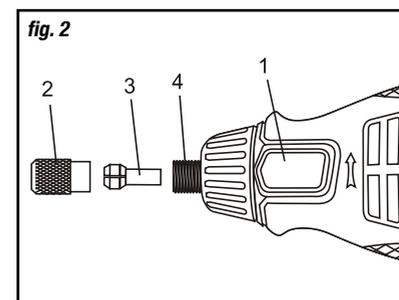
## Changing the collet

Some accessories require the use of different sized collets. Collet sizes can be 1/16", 3/32" and 1/8". It is important to ensure that the collet size matches the accessory.

**NOTE:** This tool includes the most commonly used collets: 1/16", 3/32" and 1/8".

**! WARNING:** Using a collet that is too large for the accessory will result in the accessory possibly being thrown from the tool causing serious injury.

1. Turn the tool switch OFF and remove the plug from the power source.
2. Depress the spindle lock button (1) and slowly turn the collet nut (2) until the spindle lock button locks the spindle (4) (fig. 2).
3. While holding the spindle lock button down, turn the collet nut counter-clockwise until it is removed.
4. Remove the collet (3) by pulling it out of the spindle.

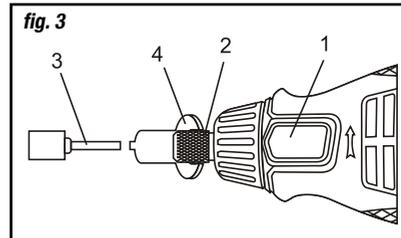


5. Insert the replacement collet into the spindle and replace the collet nut by turning it clockwise while holding the spindle lock button down.

**NOTE:** Do not tighten the collet nut without an accessory installed in the collet. You will damage the collet.

### Installing accessories

1. Turn the switch OFF and disconnect the tool from the power source.
2. Depress the spindle lock button (1) and slowly turn the collet nut (2) until the spindle lock button locks the spindle (fig. 3).
3. While holding the spindle lock button down, turn the collet nut counter-clockwise until the collet is loose inside the collet nut.
4. Insert accessory (3) into collet.



#### NOTES:

- a) Make sure the correct collet is used for the accessory. If collet is too large, replace the collet with the next smaller size.
  - b) Insert accessory at least 3/4" into the collet.
5. Press the spindle lock button and engage it in the spindle. While holding the spindle lock button down, hand-tighten the collet by turning it clockwise.  
**NOTE:** Do not use pliers to tighten the collet nut. Use the small wrench (4) supplied. Over tightening will cause damage to the tool.
  6. Pull on the accessory to ensure it is securely in place.

### ! WARNING

Have you read "GENERAL SAFETY WARNINGS", "POWER TOOL SAFETY", "SPECIFIC SAFETY RULES", "EXTENSION CORD SAFETY" and "SYMBOLS" on pages 5 through 12 of this Instruction Manual? If not, please do it now before you operate this rotary tool. Your safety depends on it!

**Every time you use the rotary tool you should verify the following:**

1. The accessory is in good condition and not damaged in any way.
2. The workpiece is properly secured.
3. Safety glasses are being worn.

Failure to adhere to these safety rules can greatly increase the chances of injury.

### Selecting proper speeds

Different speeds are required depending upon the type of operation being performed. The following chart outlines those basic speeds:

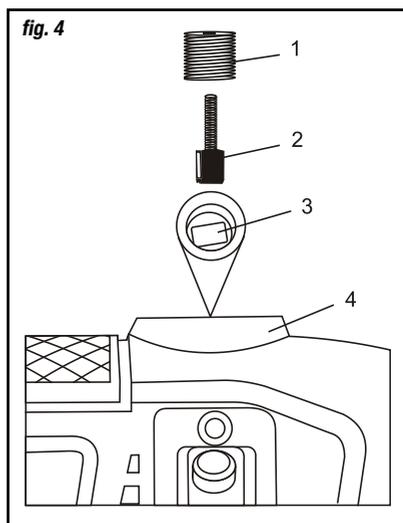
Operation	Speed
Cutting metal	Medium to Maximum
Sanding wood	Medium to Maximum
Cutting hard metal	Medium to Maximum
Engraving metal	Medium
De-burring	Medium
Drilling holes	Medium
Removing rust	Low to Medium
Sharpening	Low to Medium
Polishing	Slow

## Replacing carbon motor brushes

The carbon motor brushes will wear down and require replacing. The time intervals between replacements will vary depending upon the working environment and the hours of use. It is recommended that the brushes be checked after each 10 hours of use. When the length of the carbon brush reaches 1/4" (6.35 mm), the brushes should be replaced.

**! WARNING:** Unplug the tool from the power source.

1. Use a 3/16" (5 mm) slot screwdriver and remove one brush cap (1) (fig. 4). Turn the brush cap counter clockwise to remove it from the motor housing.
2. Pull the spring & brush assembly (2) from the brush holder (3) in the motor housing (4).
3. Insert the new spring & brush assembly into the motor housing.
4. Compress the spring into the brush holder and thread the brush cap back into the motor housing.  
**NOTE:** Make sure the brush cap threads are not cross-threaded. Do NOT over tighten.
5. Repeat steps 1 to 4 to replace the second carbon brush located on the opposite side of the motor housing.



**! WARNING:** When servicing, use only identical replacement parts. Use of any other part may create a hazard or cause product damage.

DO NOT abuse power tools. Abusive practices can damage the tool as well as the workpiece.

**! WARNING:** DO NOT attempt to modify tools or create accessories. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury. It will also void the warranty.

## Cleaning

DO NOT use solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use a clean cloth to remove dirt, dust, oil, grease, etc.

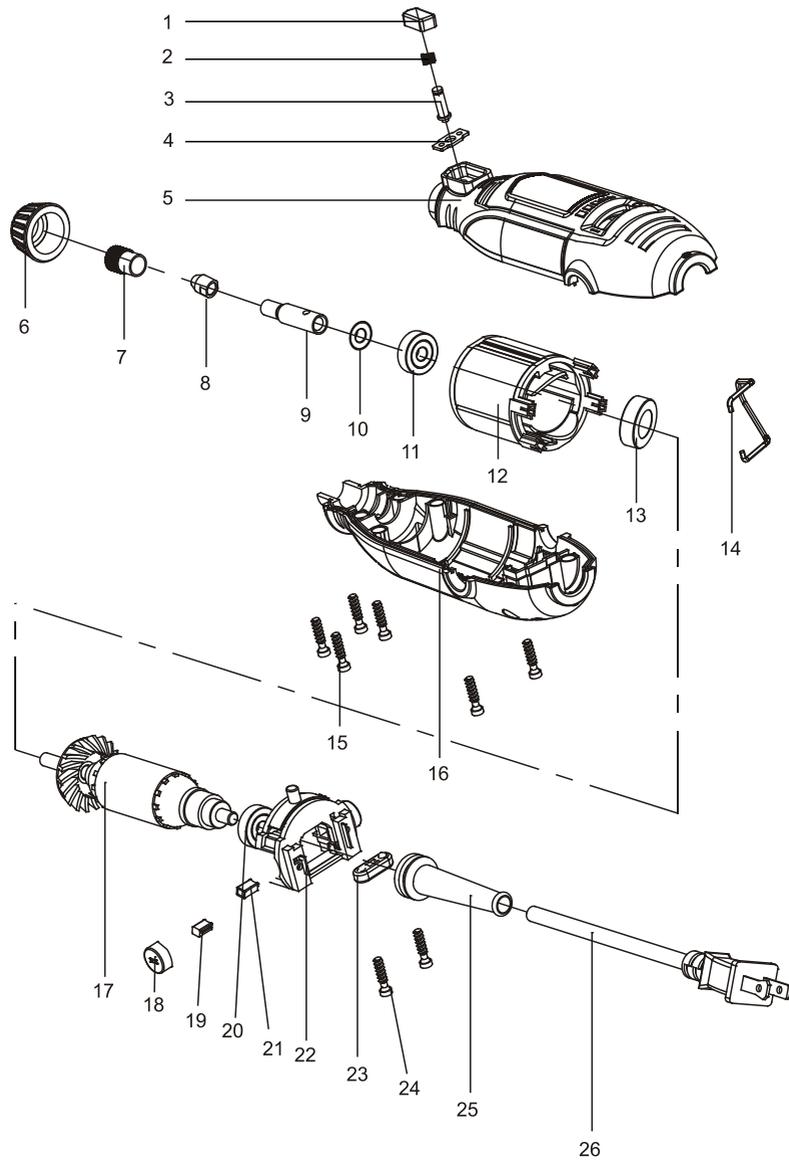
**! WARNING:** Do not at any time allow brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come in contact with plastic parts. They contain chemicals that can damage, weaken or destroy plastic.

It has been found that electric tools are subjected to accelerated wear and possible premature failure when they are used on fiberglass boats and sports cars, wallboard, spackling compounds or plaster. The chips and grindings from these materials are highly abrasive to electric tool parts such as bearings, brushes, switches, etc. Consequently, it is not recommended that this tool be used for extended work on any fiberglass material, wallboard, spackling compounds or plaster. During any use on these materials it is extremely important that the tool be cleaned frequently by blowing out with an air jet.

**! WARNING:** Always wear safety goggles or safety glasses with side shields during all operations. It is critical that you also wear safety goggles or safety glasses with side shields and a dust mask while blowing dust out of the rotary tool with an air jet. Failure to take these safety precautions could result in permanent eye or lung damage.

## Lubrication

All of the bearings in this rotary tool are lubricated with a sufficient amount of high-grade lubricant for the life of the unit under normal conditions. Therefore, no further lubrication is required.



**! WARNING:** When servicing, use only Mastercraft™ replacement parts. The use of any other parts may create a safety hazard or cause damage to the rotary tool.

Any attempt to repair or replace electrical parts on this rotary tool may create a safety hazard unless repairs are performed by a qualified technician. For more information, call the Toll-free Helpline, at 1-800-689-9928.

Always order by **PART NUMBER**, not by key number.

Key #	Part #	Part Name	Qty	Key #	Part #	Part Name	Qty
1	3120020124	Spindle locking button	1	14	2050080124	Hanging loop	1
2	2050040004	Lock pin spring	1	15	4030010034	Tapping screw ST2.9X16	6
3	2040160105	Lock pin	1	16	2040190009	Housing II	1
4	3011160019	Lock pin washer	1	17	1010160007	Armature	1
5	2040190009	Housing I	1	18	3150140012	Brush holder nut	2
6	3150100014	Accessory collar	1	19	1230010028	Brush	2
7	2040190009	Collet nut	1	20	4010010031	Bearing 626Z	1
8	2040280001	1/8" collet	1	21	2030070006	Copper support	2
9	2040040041	Output shaft	1	22	1061190001	Switch	1
10	2030020141	Washer	1	23	3150020001	Cord clamp	1
11	4010010031	Bearing 626Z	1	24	4030010074	Tapping screw ST3.9X12	2
12	1020160006	Stator	1	25	3140010004	Cord guard	1
13	3140040003	Bearing cover	1	26	1190030009	Cord	1



This Mastercraft® product is guaranteed for a period of **three 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 two 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 one 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 is 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 the purchase date must be provided;
- b. This warranty will not apply to any product or part thereof that is worn, broken or that 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 that 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 and 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 specified otherwise 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 that product manufacturer's warranty, if any.

### Additional Limitations

This warranty applies only to the original purchaser, and cannot be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, but not limited to 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.

Mastercraft is a superior line of products selected for their workmanship and materials. These products are designed to meet rigorous quality and performance standards, and are approved by our Quality Assurance laboratory.

**TOLL-FREE HELPLINE: 1-800-689-9928**