

CRL C.R. LAURENCE CO., INC.

Multi-Function Tool

Set Up and Operating Instructions

CAT. NO. MFT1



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL**

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MACHINE INFORMATION

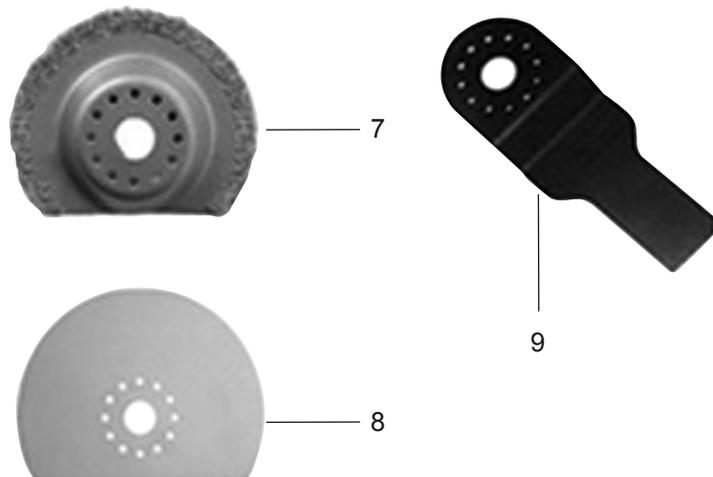


Fig. 1

Features

Fig. 1

- 1. On/Off Switch
- 2. Speed Control
- 3. Sanding Pad
- 4. Sanding Paper
- 5. E-Cut Saw Blade
- 6. Scraper
- 7. Carbide Blade
- 8. HSS Saw Blade
- 9. Standard Blade



INTRODUCTION

MULTIFUNCTION TOOL:



Always read the instructions for electrical products carefully before use. It will help you understand your product better and avoid unnecessary risks. Keep this instructions manual in a safe place for future use.

Intended Use

This machine is intended for dry sanding of small areas, sawing, and scraping with various tool accessories, as well as for polishing, rasping, cutting, and separating various materials.

Contents

1. Machine Data
2. Safety Instructions
3. Assembly and Operation
4. Maintenance

MACHINE INFORMATION

Technical Specification

MFT1

Voltage	110 V~
Frequency	60 Hz
Power Input	2.2 A
No-Load Speed	11,000 - 22,000/min
Weight	1.48 kg
L _{pA} (Sound Pressure Level)	81+3 dB(A)
L _{wA} (Sound Power Level)	92+3 dB(A)
Vibration	16.1 + 1.5 m/s ²

MFT1AU/MFT1EU

Voltage	230 V~
Frequency	50 Hz
Power Input	260 W
No-Load Speed	11,000 - 22,000/min
Weight	1.48 kg
L _{pA} (Sound Pressure Level)	81+3 dB(A)
L _{wA} (Sound Power Level)	92+3 dB(A)
Vibration	16.1 + 1.5 m/s ²

Package Contents

- 1 Multifunction Tool
- 1 Scraper
- 1 E-shaped Saw Blade
- 1 Sanding Pad
- 1 Pcs Sanding Paper G80
- 1 Pcs Sanding Paper G120
- 1 Segmented Carbide Blade
- 1 Segmented HSS Saw Blade
- 1 Standard Blade
- 1 Pcs Allen Key
- 1 Instruction Manual

SAFETY INSTRUCTIONS

The following pictograms are used in these instructions:



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.



Indicates electrical shock hazard.



Contact with or inhalation of dust coming free during use (e.g. lead-painted surfaces, wood and metal) can endanger your health and the health of bystanders. Always wear appropriate protective equipment, such as a dust mask. Always use proper dust extraction during use.



Wear safety goggles. Wear hearing protection.

Warning!

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your electrically operated (corded) power tool or battery operated (cordless) power tool. Save these instructions.

1) Work Area

- a. Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- b. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gasses or dust. Power tools create sparks which may ignite the dust or fumes.
- c. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical Safety

- a. 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.
- b. 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.
- c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d. 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.
- e. 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. Always use tool in conjunction with a ground fault interrupt device.

Check the machine, loose parts, and accessories for transport damage

3) Personal Safety

- a. 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.
- b. Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- c. Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- d. 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.
- e. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- g. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.
- h. Use clamps or a vice to hold work. It's safer than using your hand, and it frees both hands to operate tool.

SAFETY INSTRUCTIONS

4) Power Tool Use and Care

- a. 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.
- b. 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.
- c. 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.
- d. 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.
- e. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tools operation.
If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g. 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 intended could result in hazardous situation.

- h. Damaged switches must be replaced. Do not use power tools that cannot be switched on and off.
- i. Do not leave power tools unattended while they are switched on. Always switch off the tool and wait until it has come to a full standstill before leaving.
- j. If the electrical cable has been damaged, it must be replaced with a special electrical cable. These can be obtained from the manufacturer or the manufacturer's customer service department.

5) Battery Tool Use and Care

- a. Ensure the switch is in the off position before inserting battery pack. Inserting the battery pack into power tools that have the switch on invites accidents.
- b. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- c. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- d. When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- e. Under abusive conditions, liquid may be ejected from the battery, avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritations or burns.

6) Service

- a. Please use a qualified expert who uses original replacement parts to repair your power tool. This will ensure proper functioning of the power tool.
- b. Caution! The use of any accessories or additional tools other than those recommended in this manual may lead to an increased risk of injury. Only use original replacement parts.

Special Safety Instructions

- Compare the maximum number of revolutions allowed of the accessories with the number of revolutions of the machine.
- When you put the machine away, the engine must be switched off and moving parts must have reached a standstill.
- Never attach an assembly spanner to your machine with a piece of string or anything similar.
- Do not use sandpaper intended for larger sanding pads. Larger sandpaper will extend beyond the sanding pad causing snagging, tearing of the paper or kick-back. Extra paper extending beyond the sanding pad can also cause serious lacerations.
- Use a clamping device for securing the work piece.
- Keep your hands away from the work piece.

Electrical safety

When using electric machines always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock, and personal injury. Read the following safety instructions and also the enclosed safety instructions. Keep these instructions in a safe place!



Always check that the power supply corresponds to the voltage on the rating plate.



The machine is double insulated; therefore no ground wire is required.

Replacing cable or plugs

If the electrical cable becomes damaged, it must be replaced with a special electrical cable available from the manufacturer or the manufacturer's customer service. Dispose of old cables or plugs immediately after replacing them with new ones. It is dangerous to connect the plug of a loose cable to a socket.

ASSEMBLY AND OPERATION

Setting the Speed

Fig. 1

The speed can be set (from slow to fast) using the continuous speed adjustment wheel (2).

Switching On:

- Push the switch (1) forward to position 1.

Switching Off:

- Push the switch (1) back to position 0.

Hints for Optimum Use:

- Clamp the workplace. Use a clamping device for small workpieces.
- Draw a line to define the direction in which to guide the accessory.
- Firmly hold the machine by the grip.
- Switch on the machine.
- Wait until the machine has reached full speed.
- Place the accessory on the workpiece.
- Slowly move the machine along the pre-drawn line, firmly pressing the accessory against the workpiece.
- Do not apply too much pressure on the machine. Let the machine do the work.
- Apply less pressure when the machine starts to vibrate heavily.
- Switch off the machine and wait for the machine to come to a complete standstill before putting the machine down.

Accessories

Fig. 1

3+4 Sanding Sole and Sanding Paper:

Sanding near edges, corners, and hard-to-reach areas. (Depending on the sanding paper for sanding of wood, paint, varnish, and stone.)

5. Scraper:

Scraping on solid base. For instance, removal of glue, carpets, and tiles (carpet, flooring).

6. E-cut sawblade:

Separating and deep plunge cuts, for sawing close to edges, in corners, and hard-to-reach areas (wooden materials, soft materials).

Mounting accessories

For saw blades, scrapers, and disc cutters and cutting discs use the clamping screw in combination with the retaining ring.

- Remove the clamping screw using an Allen key.
- Replace the tool and tighten it using the clamping screw. Check that the tool is secure in the chuck and that the machine is correctly secured and supported.

Fitting/replacing sandpaper

Using hook-and-loop fastening system.

- Place the sandpaper in the middle of the sanding disc and press it firmly with your hand.
- Press the sandpaper firmly onto the plate with brief, firm pressure and then switch on the machine. This ensures that the disc is correctly secured and prevents excessive wear.
- If the sandpaper is worn in a particular spot, you can remove it, turn it 120° and refit it or replace it.

MAINTENANCE

These machines have been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper machine care and regular cleaning.

Cleaning

Keep the ventilation slots of the machine clean to prevent overheating of the engine. Regularly clean the machine housing with a soft cloth, preferably after each use. Keep the ventilation slots free from dust and dirt. If the dirt does not come off use a soft cloth moistened with soapy water. Never use solvents such as gasoline, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

Lubrication

The machine requires no additional lubrication.

Faults

Should a fault occur, e.g. after wear of a part, please contact the service center. In the back of this manual you find an exploded view showing the parts that can be ordered.

Environment

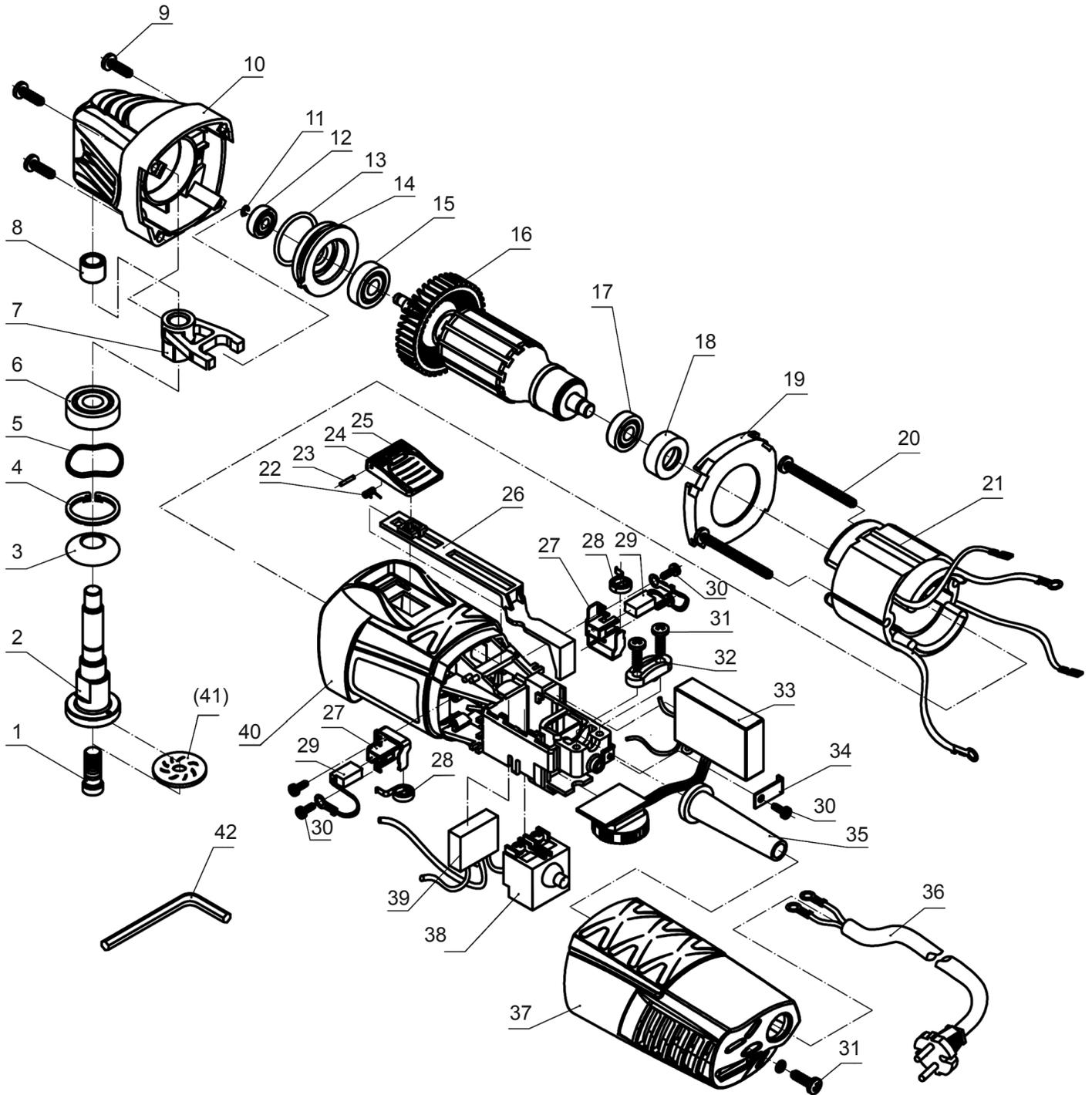
To prevent damage during transport, the tool is delivered in a solid packaging which consists largely of reusable material. Therefore please make use of options for recycling the packaging.



Please recycle this product at end of life. Contact your retailer or local authority recycling center for assistance.

WARNING! Switch the machine off and unplug the machine before mounting the accessories.

EXPLODED VIEW



SPARE PARTS LIST

NO.	PARTS NAME	NO.	PARTS NAME
1	screw	22	spring
2	output shaft	23	pin
3	dust ring	24	switch knob
4	check ring	25	small switch knob
5	wave washer	26	pull rod
6	bearing	27	brush holder
7	swing preset	28	spring
8	axle preset	29	brush
9	screw	30	screw
10	gear box	31	screw
11	check ring	32	cable clump
12	bearing	33	speed control
13	"o" ring	34	speed control clump
14	bearing base	35	cable jacket
15	bearing	36	cable plug specify type
16	Armature	37	rear cover
17	bearing	38	switch
18	bearing cover	39	capacitor
19	wind baffle	40	stator housing
20	screw	41	clump
21	stator	42	Allen key