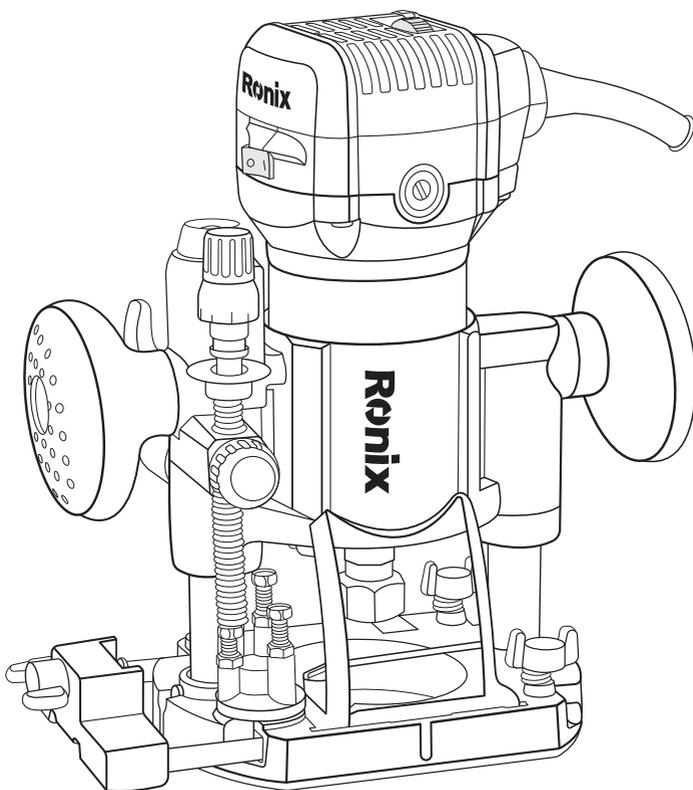


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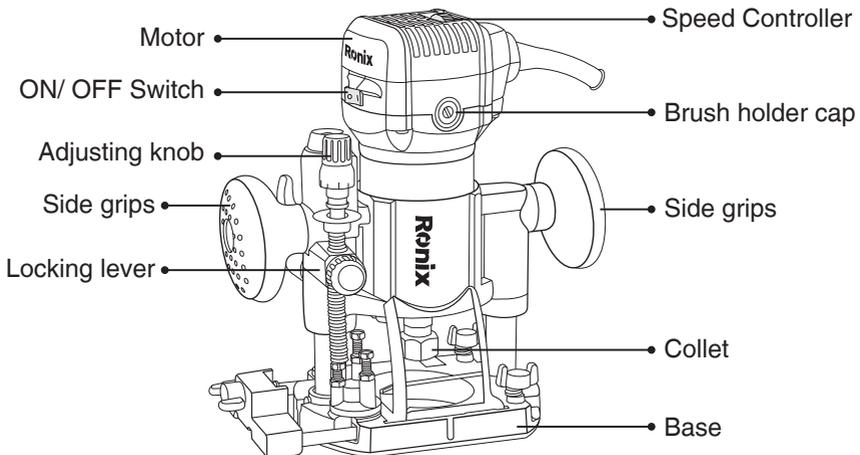
DUAL ELECTRIC ROUTER 7108



SPECIFICATION

Model	7108
Power	710W
Voltage	220-240V
Frequency	50-60Hz
Collet Size	6-8mm
Height	200mm
No-load RPM	13000-33000 RPM
Weight	3kg
Supplied in	Ronix Color box
Includes	Wrench, 8mm Collet, Straight guide Transparent guard Guide holder

PART LIST



GENERAL POWER TOOL SAFETY WARNINGS

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.
- The term “power tool” in the warnings refers to your mains-operated (corded) power tools or battery operated (Cordless) Power tools.

■WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Don't 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.

■ELECTRIC SAFETY

- Power tool plugs must match the outlet. Never modify the plug in any way. Don't use any adaptor 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 pipe, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Don't 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 increased the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable

for outdoor use. Using a cord suitable for outdoor use will reduce 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.
- Use of power supply via a RCD with a rated residual current of 30mA or less is always recommended.

■ PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Don't 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.
- Don't overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Dress properly. Don't wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts. Loose cloths, jewelry or long hair can be caught in moving parts.
- If devices are provided for 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

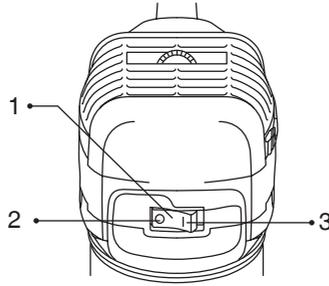
- Don't force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- Don't use the power tool if the switch doesn't turn it on and off. Any power tool that cannot be controlled with the switch is 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 don't allow persons unfamiliar with 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 the instruction, 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 qualified repair person using only identical replacement parts. This will ensure that the safety of power tool is maintained.
- Follow instruction for lubricating and changing accessories.
- Keep handles dry, clean and free from oil and grease.

ELECTRIC TRIMMER SAFETY WARNINGS

- Hold power tool by insulated gripping surfaces, because the cutter may contact its own cord. Cutting a “live” wire may make exposed metal parts of the power tool “live” and shock the operator.
- Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.
- Wear hearing protection during extended period of operation.
- Handle the bits very carefully. Check the bit carefully for cracks or damage before operation. Replace cracked or damaged bit immediately.
- Avoid cutting nails. Inspect for and remove all nails from the workpiece before operation.
- Hold the tool firmly.
- Keep hands away from rotating parts.
- Make sure the bit is not contacting the workpiece before the switch is turned on.
- Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate improperly installed bit.
- Be careful of the bit rotating direction and the feed direction.
- Do not leave the tool running. Operate the tool only when hand-held.
- Always switch off and wait for the bit to come to a complete stop before removing the tool from workpiece.
- Do not touch the bit immediately after operation; it may be extremely hot and could burn your skin.
- Do not smear the tool base carelessly with thinner, gasoline, oil or the like. They may cause cracks in the tool base.
- Use bits of the correct shank diameter suitable for the speed of the tool.
- Some material contains chemicals which may be toxic.
- Take caution to prevent dust inhalation and skin contact.
- Follow material supplier safety data.
- Always use the correct dust mask/ respirator for the material and application you are working with.

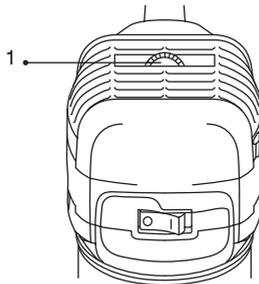


FUNCTIONAL DESCRIPTION

■ SWITCH ACTION

- 1) Switch
- 2) OFF (O) side
- 3) ON (I) side

▲ CAUTION:



Before plugging in the tool, always check to see that the tool is switched off.

- To start the tool, press the “ON (I)” side of the switch.
- To stop the tool, press the “OFF (O)” side of the switch.

■ SPEED ADJUSTING DIAL

The tool speed can be changed by turning the speed adjusting dial to a given number setting from 1 to 6. Higher speed is obtained when the

dial is turned in the direction of number 6. And lower speed is obtained when it is turned in the direction of number 1.

This allows the ideal speed to be selected for optimum material

Number	Speed (RPM)
1	13,000
2	17,000
3	22,000
4	29,000
5	31,000
6	33,000

processing, i.e. the speed can be correctly adjusted to suit the material and bit diameter. Refer to the table for the relationship between the number settings on the dial and the approximate tool speed.

CAUTION:

If the tool is operated continuously at low speeds for a long time, the motor will get overloaded, resulting in tool malfunction.

The speed adjusting dial can be turned only as far as 6 and back to 1. Do not force it past 6 or 1, or the speed adjusting function may no longer work.

ASSEMBLY

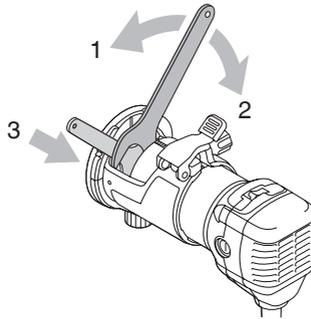
CAUTION:

Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

■INSTALLING OR REMOVING TRIMMER BIT

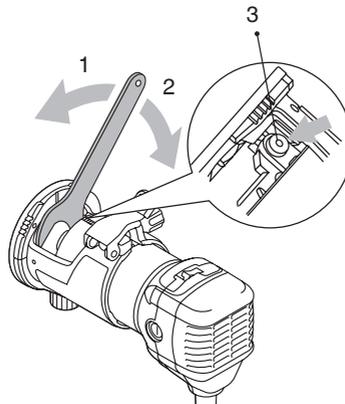
Method 1:

- 1) Tighten
- 2) Loosen
- 3) Hold



Method 2:

- 1) Tighten
- 2) Loosen
- 3) Shaft lock



⚠ CAUTION:

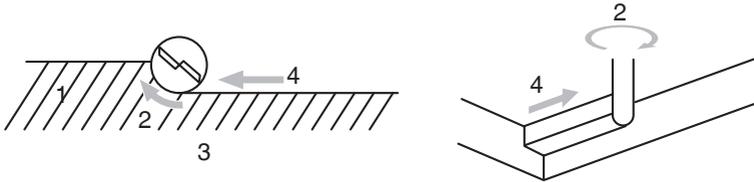
- Do not tighten the collet nut without inserting a bit, or the collet cone will break.
- Use only the wrenches provided with the tool. Insert the bit all the way into the collet cone and tighten the collet nut securely with the two wrenches or by pressing the shaft lock and using the provided wrench. To remove the bit, follow the installation procedure in reverse.

OPERATION

Set the tool base on the workpiece to be cut without the bit making any contact. Then turn the tool on and wait until the bit attains full speed.

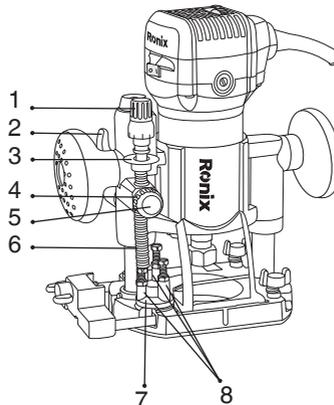
Move the tool forward over the workpiece surface, keeping the tool base flush and advancing smoothly until the cutting is complete. When doing edge cutting, the workpiece surface should be on the left side of the bit in the feed direction.

- 1) Workpiece
- 2) Bit revolving direction
- 3) View from the top of the tool
- 4) Feed direction



TOOL BASE

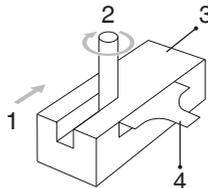
- 1) Adjusting knob
- 2) Lock lever
- 3) Depth pointer
- 4) Stopper pole setting nut
- 5) Fast-feed button
- 6) Stopper pole
- 7) Stopper block
- 8) Adjusting bolt



Place the tool on a flat surface. Loosen the lock lever and lower the tool body until the bit just touches the flat surface. Tighten the lock lever to lock the tool body. Turn the stopper pole setting nut counterclockwise. Lower the stopper pole until it makes contact with the adjusting bolt. Align the depth pointer with the “0” graduation. The depth of cut is indicated on the scale by the depth pointer. While pressing the fast-feed button, raise the stopper pole until the desired depth of cut is obtained. Minute depth adjustments can be obtained by turning the adjusting knob (1mm per turn).

By turning the stopper pole setting nut clockwise, you can fasten the stopper pole firmly. Now, your predetermined depth of cut can be obtained by loosening the lock lever and then lowering the tool body until the stopper pole makes contact with the adjusting hex bolt of the stopper block. Always firmly hold the tool by both grip during operation. Set the tool base on the workpiece to be cut without the bit making any contact. Then turn the tool on and wait until the bit attains full speed. Lower the tool body and move the tool forward over the workpiece surface, keeping the tool base flush and advancing smoothly until the cutting is complete. When doing edge cutting, the workpiece surface should be on the left side of the bit in the feed direction.

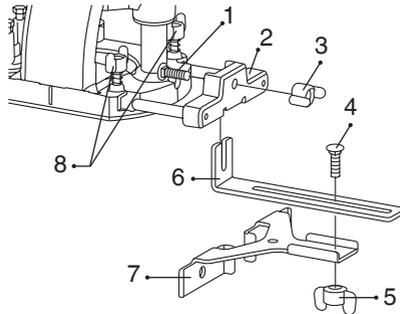
- 1) Workpiece
- 2) Bit revolving direction
- 3) View from the top of the tool
- 4) Feed direction



■ STRAIGHT GUIDE

The straight guide is effectively used for straight cuts when chamfering or grooving.

- 1) Bolt
- 2) Guide holder
- 3) Wing nut
- 4) Bolt
- 5) Wing nut
- 6) Guide plate
- 7) Straight guide
- 8) Wing bolts



Install the straight guide on the guide holder with the wing nut. Insert the guide holder into the holes in the plunge base and tighten the wing bolts. To adjust the distance between the bit and the straight guide, loosen the wing nut. At the desired distance, tighten the wing nut to secure the straight guide in place.

MAINTENANCE

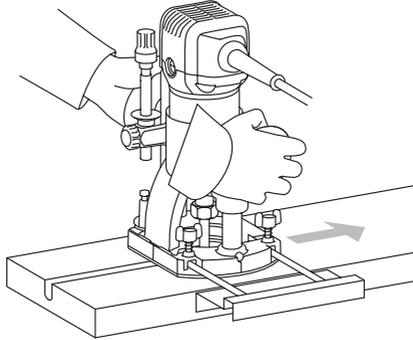
CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

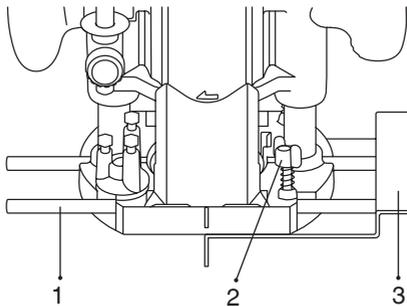
▲ NOTE:

The straight guide is effectively used for straight cuts when chamfering or grooving.

- 1) Guide bar
- 2) Wing bolt
- 3) Straight guide



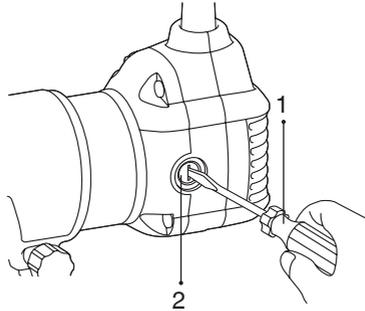
To install the straight guide, insert the guide bars into the holes in the plunge base. Adjust the distance between the bit and the straight guide. At the desired distance, tighten the wing bolts to secure the straight guide in place. When cutting, move the tool with the straight guide flush with the side of the workpiece.



■ REPLACING CARBON BRUSHES

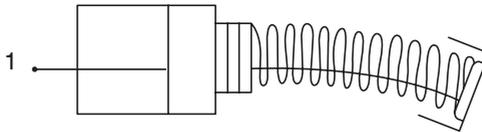
Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders.

- 1) Screwdriver
- 2) Brush holder cap



Both carbon brushes should be replaced at the same time. Use only identical carbon brushes. Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

- 2) Limit mark



⚠ CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance. The tool and its air vents have to be kept clean.

Regularly clean the tool's air vents or whenever the vents start to become obstructed.

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