PLUNGE ROUTER

1600W

INSTRUCTION MANUAL

SPECIFICATIONS

Input:	1600W
No Load Speed:	6000-26000 /min
Max. Collet:	12.70mm (1/2")
Plunge Depth:	55mm
Weight:	6.5kg

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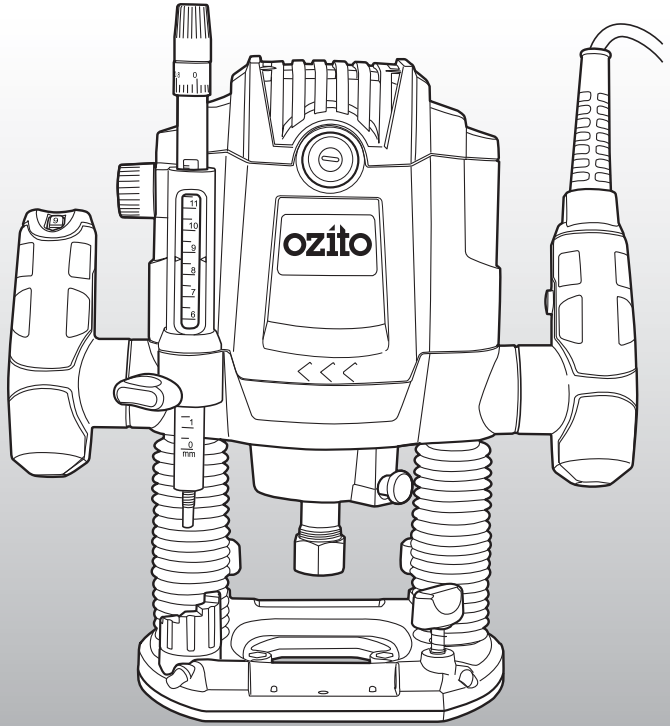
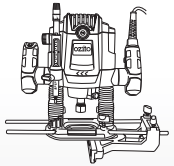


WHAT'S IN THE BOX

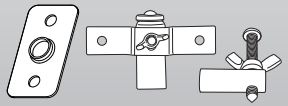


Router with Guide Fence

Collets x 2

Router Bits x 15

Dust Extraction Adaptor



Template & Circle Guides

Spanner

3 YEAR REPLACEMENT WARRANTY

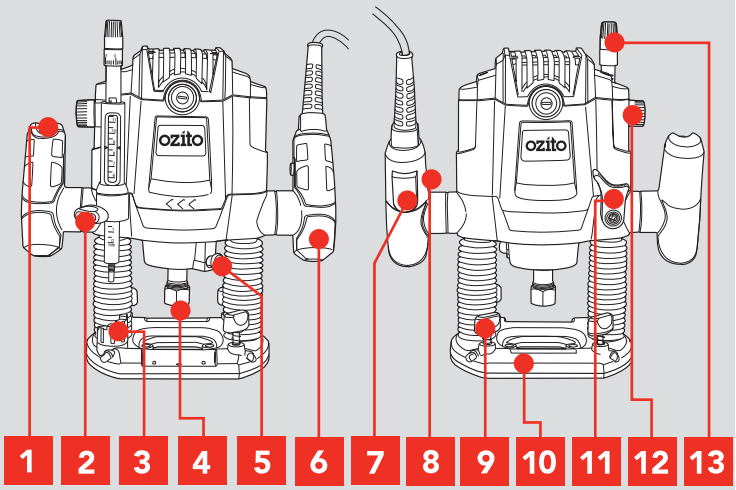
ROU-7100

KNOW YOUR PRODUCT

PLUNGE ROUTER

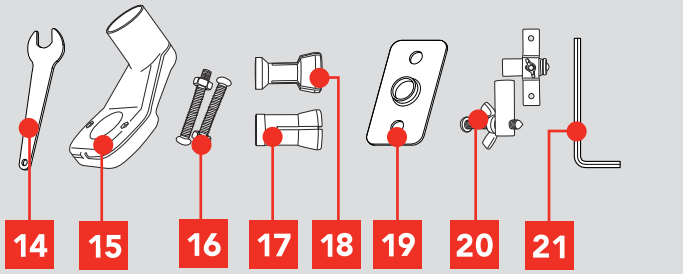
1 Variable Speed Dial
2 Micro Depth Locking Knob
3 Adjustable Turret Depth Stop
4 Collet Nut
5 Spindle Lock Button
6 Sure Grip Handles
7 On/off Trigger
8 Lock-off Button
9 Parallel Guide Locking Knob
10 Anti-Scratch Base
11 Depth Lock Lever
12 Depth Adjustment Knob
13 Micro Depth Adjustment Knob

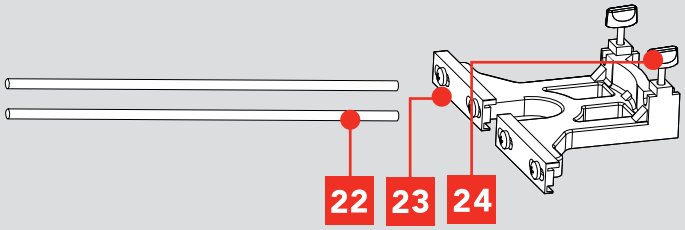
FRONT VIEW **REAR VIEW**



ACCESSORIES

14 Spanner
15 Dust Extraction Adaptor
16 Dust Extraction Adaptor Screws
17 6.35mm Collet
18 12.7mm Collet
19 Template Guide
20 Circle Guide
21 Hex Key
22 Guide Fence Rods
23 Guide Fence
24 Fence Rod Locking Knobs





ONLINE MANUAL

Scan this QR Code with your mobile device to take you to the online manual.

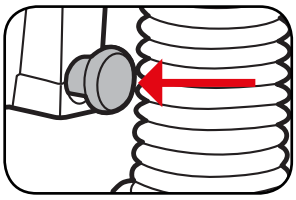
SETUP & PREPARATION

1. ASSEMBLY

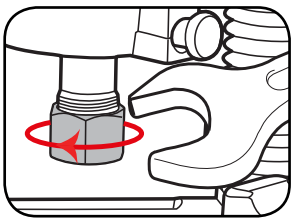
Before you make any adjustments, make sure the power cord is disconnected from the electricity supply.

Installing and Removing Collets

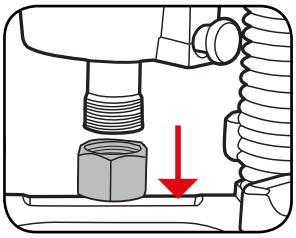
1. Depress and hold the spindle lock button.



2. Use the spanner to loosen the collet nut, rotating clockwise.

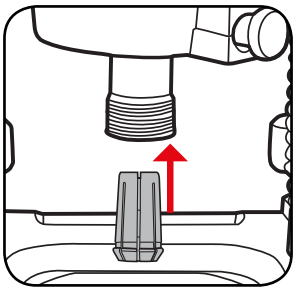


3. Remove the collet nut and collet.

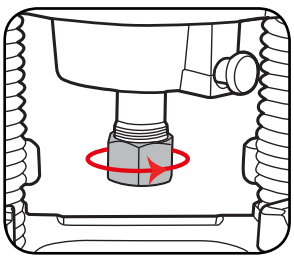


Note: When removing the collet nut and collet, be sure not to remove the spring inside the output shaft. If you reinstall the collet without the spring in place, it may become stuck.

4. Insert the new collet into the output shaft.



5. Install the collet nut and hand tighten, turning anti-clockwise.

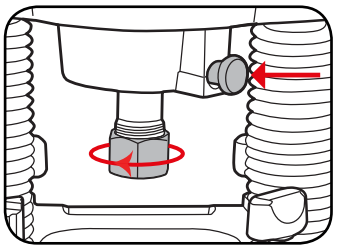


2. ASSEMBLY CONT.

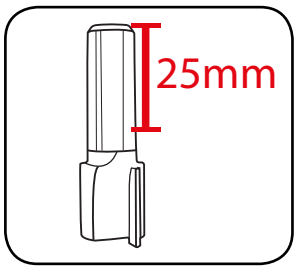
Installing and Removing Router Bits

Note: Ensure the correct collet size diameter is installed for the router bit shaft diameter you are using.

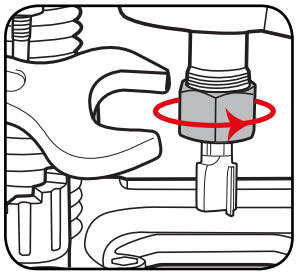
1. Depress the spindle lock button and loosen the collet nut.



2. Insert a minium of 25mm of the router bit shaft into the collet.



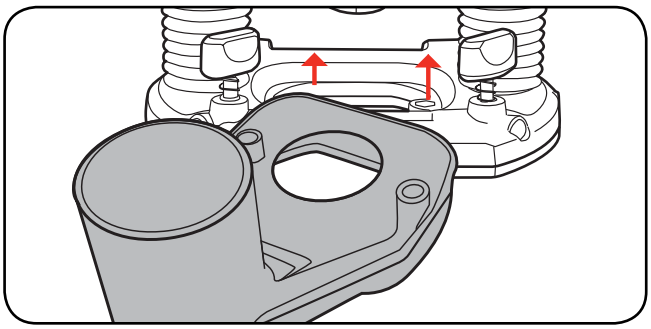
3. Tighten the collet nut with a spanner.



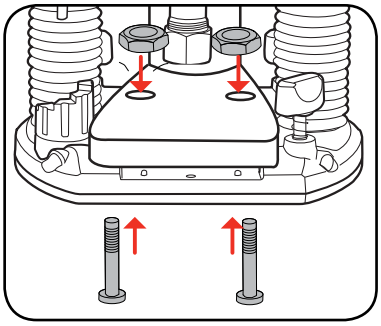
3. DUST EXTRACTION ADAPTOR

The dust extraction adaptor allows you to connect a vacuum cleaner or dust extractor to the router.

1. Insert the dust extraction adaptor from the rear of the tool.



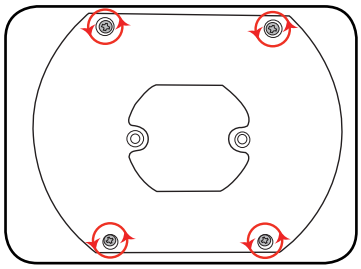
2. Secure the dust extraction adaptor in place with the two dust extraction adaptor screws.



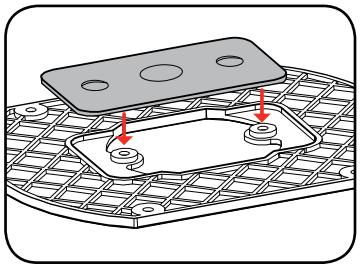
Template Guide

The template guide allows you to easily follow the contour of a template when cutting copies of a pattern. The template guide is secured with the dust extraction adaptor screws

1. Undo the four screws on router base.



2. Insert the template guide into the recess on router base.

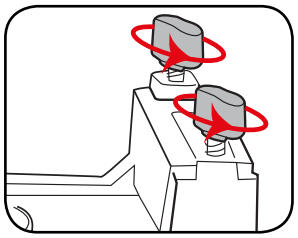


3. Secure the base back to the router with the 4 screws. Secure the template guide with the dust extraction adaptor screws..

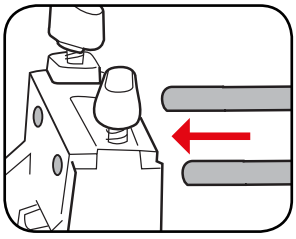
4. GUIDE FENCE

The guide fence is an effective aid when cutting in a straight line when chamfering or grooving.

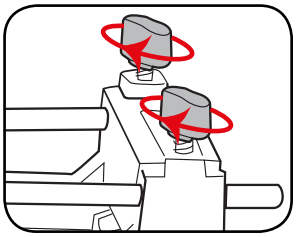
1. Loosen the fence rod locking knobs on the parallel guide fence.



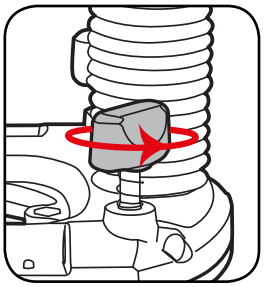
2. Insert the guide fence rods through the holes in the parallel guide fence.



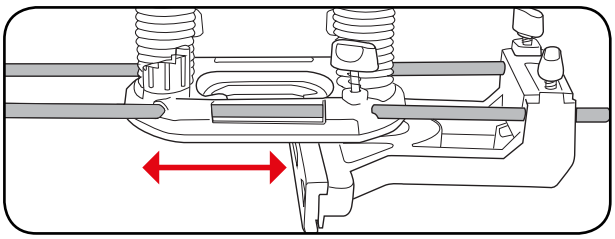
3. Tighten the fence rod locking knobs to secure the fence rods.



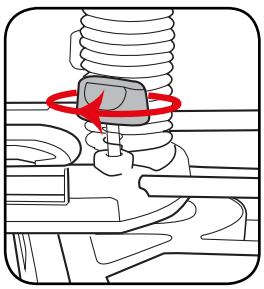
4. Loosen the parallel guide locking knobs.



5. Feed the guide fence rods through the holes in the router base. Adjust the guide fence until it is the correct distance from the router bit and the cut to be made.

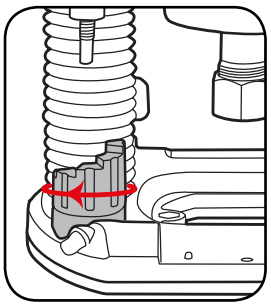


6. Fix the guide fence in place by tightening the parallel guide locking knobs.

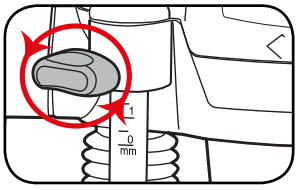


5. ADJUSTING CUTTING DEPTH

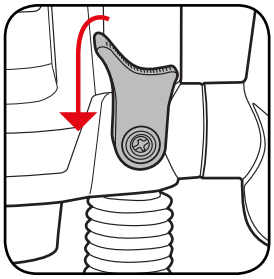
1. Turn the adjustable turret depth stop until the highest depth stop postion is facing the front of the router.



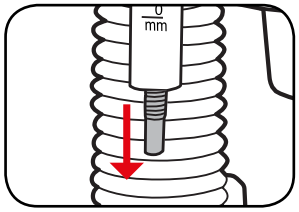
2. Place the router on a flat surface. Loosen the micro depth locking knob.



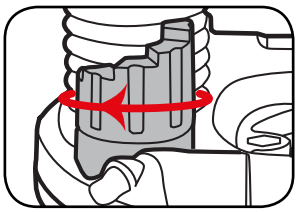
3. Push the depth lock lever down & lower the body of the router until the router bit touches the flat surface.



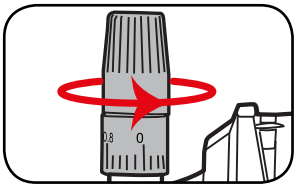
4. Lower the micro depth gauge allowing it to touch the adjustable turret depth stop.



5. Rotate the adjustable turret depth stop to quickly select one of five cutting depths.



6. Alternatively, use the micro depth adjuster knob to select a precise cutting depth. Rotate clockwise to raise the bit. Rotate anti-clockwise to lower.



7. Once you have made the required cutting depth adjustments, simply lower the depth lock lever and then lower the router until the micro depth gauge touches the adjustable turret depth stop. Release the depth lock lever to lock the cutting depth.

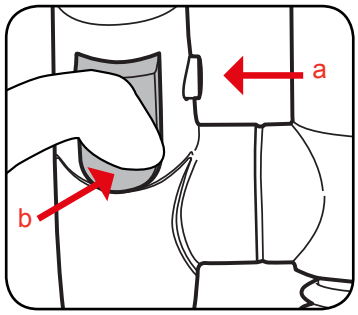
OPERATION

6. CONTROLS

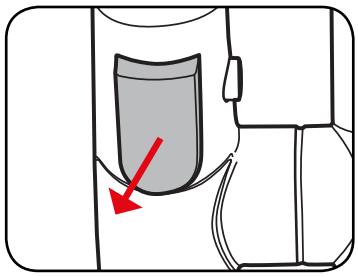
The tool is recommended for use with a residual current device with a rated residual current of 30mA or less.

Switching On and Off

To turn on, press the lock off button and then squeeze the on/off trigger.



To turn off, release the on/off trigger.



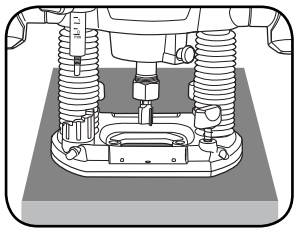
Variable Speed Control

Scroll through the variable speed dial to select the appropriate speed for the working material.

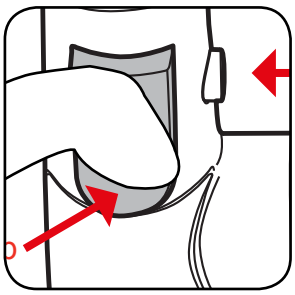
7. MAKING A CUT

Before making a cut, ensure the correct router bit is securely installed, the router is set to the appropriate cutting depth for the application and that the work piece is secured.

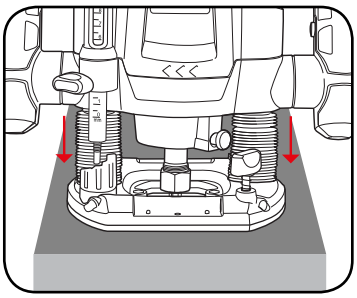
1. Place the base plate on the workpiece, ensuring the bit is not in contact with the material to be cut.



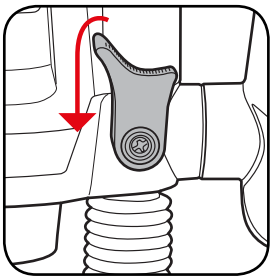
2. Turn the router on and wait for the bit to reach full speed.



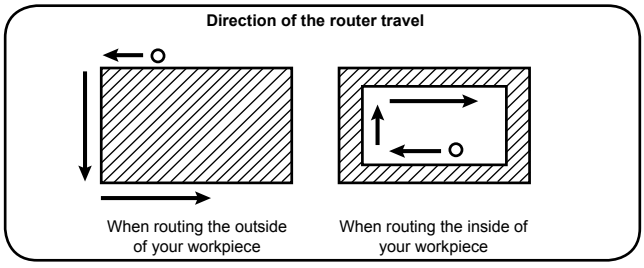
3. Lower the router body into the work piece.



4. Lock the router in position at the desired cutting depth.



5. Follow the below guide to assist you when routing your workpiece.



On very hard woods it may be necessary to make more than one pass at progressive cutting depths until the desired cutting depth is achieved.

ROUTER BITS

Below is a list of the router bits included in the ROU-7100 kit and their uses.

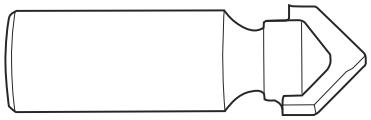
STRAIGHT BITS

Straight router bits a ideal for making plunge cuts into a material to form a groove or to hollow out an area for a mortise or inlay.

3mm (1/8”) Straight
6mm (1/4”) Straight
9.5mm (3/8”) Straight
12.8mm (1/2”) Straight
19mm (3/4”) Straight

V GROOVE BITS

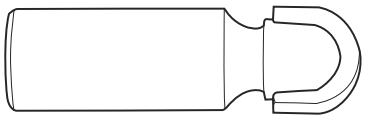
Used to create V shaped channels or flutes in a workpiece.



6.38mm (1/4”) V Groove
12.7mm (1/2”) V Groove

ROUND NOSE BITS

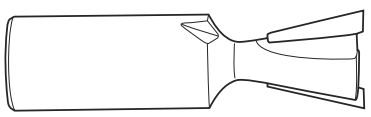
Similar to the V-groove bit in that it creates channels or flutes in a workpiece.



6mm (1/4”) Round Nose
12.7mm (1/2”) Round Nose

DOVE TAIL

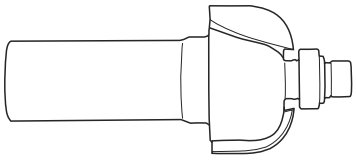
Most commonly used to create tails for dovetail joinery. Plunge cuts a flat bottom with angled sides into a workpiece.



12.7mm (1/2”) Dove Tail

COVE BIT

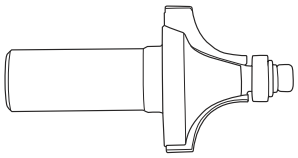
Used to create a concave, rounded edge to a piece of timber. Often used in conjunction with a roundover bit.



6.38mm (1/4”) Cove

ROUND OVER BIT

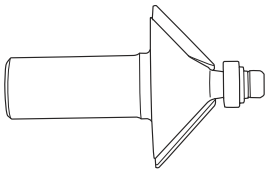
Creates a rounded edge on a piece.



6.38mm (1/4”) Round Over

CHAMFER

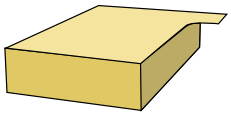
Cuts a 45-degree angle on a square edge.

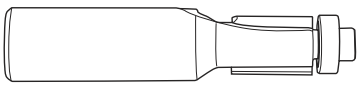


45º Chamfer

FLUSH TRIM BITS

Suited to triming the edge of one piece flush with the edge of another piece. A common use is using a pattern or template to create multiple identical shapes of the pattern.





9.5mm (3/8”) Flush Trim
12.7mm (1/2”) Flush Trim

MAINTENANCE

- Keep the ventilation vents of the router clean at all times, if possible, prevent foreign matter from entering the vents.
- After each use, blow air through the router housing to ensure it is free from all dust particles which may build up. Build up of dust particles may cause the router to overheat and fail.
- If the enclosure of the router requires cleaning, do not use solvents but a moist soft cloth only. Never let any liquid get inside the router; never immerse any part of the router into a liquid.

Carbon Brushes

When the carbon brushes wear out, the router will spark and/or stop. Discontinue use as soon as this happens. They should be replaced prior to recommencing use of the router. Carbon brushes are a wearing component of the router therefore not covered under warranty. Continuing to use the router when carbon brushes need to be replaced may cause permanent damage to the router. Carbon brushes will wear out after many uses but when the carbon brushes need to be replaced, take the router to an electrician or a power tool repairer for a quick and low cost replacement. Always replace both carbon brushes at the same time.

Note: Ozito Industries will not be responsible for any damage or injuries caused by the repair of the router by an unauthorised person or by mishandling of the router.

DESCRIPTION OF SYMBOLS

V	Volts	**Hz**	Hertz
~	Alternating current	**W**	Watts
/min	Revolutions or reciprocation per minute	**no**	No load speed
	Read instruction manual		Warning
	Double insulated	5124	Regulator compliance mark

CARING FOR THE ENVIRONMENT

Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.

Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	REMEDY
Router will not operate or router runs slowly.	No supply of power	Check that the power is available at source
	Blunt or damaged router bits	Resharpen or replace router bits
	Variable speed set low	Increase variable speed setting
	Motor is overloaded	Reduce excessive load or force on router
Excessive Vibration	Bent router bit shaft	Replace router bit
Light sparking visible inside the housing	This does not indicate a problem	There is no remedy required
Heavy sparking occurs inside the motor housing	Brushes not moving freely	Disconnect power, remove brushes, clean or replace

SPARE PARTS

Brush Holder	SPROU7100-06
Carbon Brush (Set)	SPROU7100-07
Variable Speed Switch	SPROU7100-37
On/off Switch	SPROU7100-66
Collet Spring	SPROU7100-59
Collet 6.35mm (1/4”)	SPROU7100-60
Collet 12.7mm (1/2”)	SPROU7100-103
Collet Nut	SPROU7100-61

Spare parts can be ordered from the Special Orders Desk at your local Bunnings Warehouse.

For further information, or any parts not listed here, visit www.ozito.com.au or contact Ozito Customer Service:

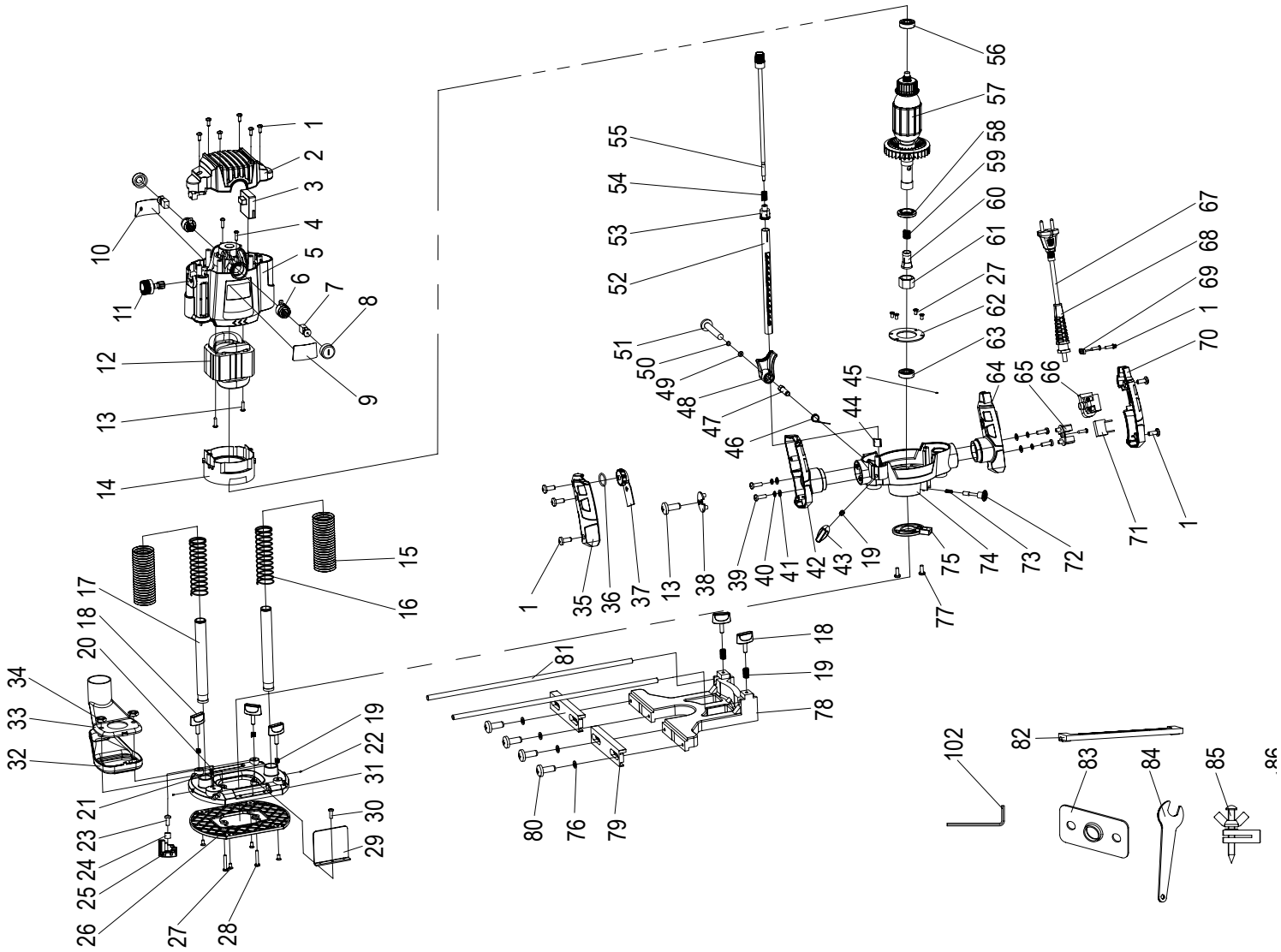
Australia 1800 069 486

New Zealand 0508 069 486

E-mail: enquires@ozito.com.au

SPARE PARTS

Tool: 1600W Plunge Router
Model No. ROU-7100



The following is a list of spare parts carried by Ozito. Please contact Customer Service for any parts not listed.

Item No.	Description	Part No.
6	Brush Holder	SPROU7100-06
7	Carbon Brush (pair)	SPROU7100-07
37	Variable Speed Switch	SPROU7100-37
59	Collet Spring	SPROU7100-59
60	Collet	SPROU7100-60
61	Collet Nut	SPROU7100-61
66	On/off Switch	SPROU7100-66

Item No.	Description	Part No.

How To Order

Available spare parts can be ordered through the Special Orders Desk at any Bunnings Warehouse. If you have any further questions, please contact Ozito Customer Service on:

Australia: 1800 069 486

New Zealand: 0508 069 486

enquiries@ozito.com.au

⚠ ELECTRICAL SAFETY

WARNING! When using mains-powered tools, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

Read the whole manual carefully and make sure you know how to switch the tool off in an emergency, before operating the tool.

Save these instructions and other documents supplied with this tool for future reference.

The electric motor has been designed for 230V and 240V only. Always check that the power supply corresponds to the voltage on the rating plate.

Note: The supply of 230V and 240V on Ozito tools are interchangeable for Australia and New Zealand.

This tool is double insulated in accordance with AS/NZS 60745-1; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced by an electrician or a power tool repairer in order to avoid a hazard.

Note: Double insulation does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

Using an Extension Lead

Always use an approved extension lead suitable for the power input of this tool. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective.

When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.

⚠ 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 tool or battery-operated (cordless) power tool.

1. Work area safety

a. **Keep work area clean and well lit**. Cluttered or dark areas invite accidents.

b. **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.

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 earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

b. **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.

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.

f. **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.

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 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.

c. **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 energising 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 jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery 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 dust collection can reduce dust-related hazards.

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 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.

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 tool's 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, 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.

5. Service

a. **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.

b. **If the supply cord is damaged, it must be replaced by the manufacturer,** its service agent or similarly qualified persons in order to avoid a hazard.

⚠ PLUNGE ROUTER SAFETY WARNINGS

WARNING! This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Recommendations for the use of a residual current device (RCD) with a rated residual current of 30mA or less.

Hold power tool by insulated gripping surface, 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 hand or against the body leaves it unstable and may lead to loss of control.

Using an Extension Lead

Always use an approved extension lead suitable for the power input of this tool. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective.

When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged of defective may result in a risk of fire and electric shock.

It is recommended that the extension lead is a maximum of 25m in length. Do not use multiple extension leads.

- Wear safety glasses or goggles when operating this tool.
- Only use router bits with a shank diameter equal to the size of the collet installed in the tool.
- Only use router bits suitable for the no-load speed of the tool.
- Do not use the tool in an inverted position.
- Do not attempt to use the tool in a stationary mode.
- Take special care when routing MDF or surfaces coated with lead-based paint.
- Wear a dust mask specifically designed for protection against lead paint dust and fumes and ensure that persons within or entering the work area are also protected.
- Do not let children or pregnant women enter the work area.
- Do not eat, drink or smoke in the work area.
- Dispose of dust particles and any other debris safely.
- Draw attention to the necessity for using bits of the correct shank diameter suitable for the speed of the tool.

WARRANTY

IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:

Australia 1800 069 486
New Zealand 0508 069 486

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you at law.

Our goods come with guarantees that cannot be excluded at law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Generally you will be responsible for all costs associated with a claim under this warranty, however, where you have suffered any additional direct loss as a result of a defective product you may be able to claim such expenses by contacting our customer service helpline above.

3 YEAR REPLACEMENT WARRANTY

Your product is guaranteed for a period of **36 months from the original date of purchase** and is intended for DIY (Do It Yourself) use only. If a product is defective it will be replaced in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: carbon brushes, spanner, router bits etc

WARNING

The following actions will result in the warranty being void.

- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.
- Professional, industrial or high frequency use.