RECIPROCATING SAW
1050W

TSRS01

www.thetoolshed.co.nz

TABLE OF CONTENTS

Thank You

For the purchase of this ToolShed product. We try our hardest to supply customers like you with the best quality products available, at the best price possible. We cant wait to continue working together in the future.

Please contact us for any servicing, replacement parts, or questions you might have about your ToolShed product by visiting our website, or calling: 0800 948 665.

PRODUCT DETAILS

Product Model	*ToolShed Reciprocating Saw 1050W*
Product Code	*TSRS01*

DISTRIBUTED BY:

Note:

This manual is for your reference only. Due to the continuous improvement of the ToolShed products, changes may be made at any time without obligation or notice.

Warranty:

This product may be covered under The ToolShed warranty. For more information, see our Terms & Conditions at www.thetoolshed.co.nz

SPECIFICATIONS

Voltage	230–240 Volts | 50 Hertz
Rated Power	1050 Watts
No Load Stroke Rate	0–2500 RPM
Maximum Cutting Depth	150mm (Wood) 5mm (Steel)
Stroke Length	28mm
Net Weight	4.2 kg

PRODUCT IDENTIFICATION

1	Pivot Shoe	***8***	Insulated D-Handle
2	Quick Release Blade Clamp	***9***	Power Cord
3	Anti-Vibration Grip	***10***	Cap Screws
4	Carbon Brush Cover	***11***	Wood Cutting Blade
5	Indicator Light	***12***	Metal Cutting Blade
6	ON/OFF Switch Trigger	***13***	Hex Wrench
7	Lock-On Button	***14***	Carbon Brushes

SAFETY GUIDELINES

⚠ WARNING

READ ALL SAFETY WARNINGS & INSTRUCTIONS. Failure to follow instructions and warnings could lead to serious injury, electric shock, or fire.

Work Area Safety

- **Ensure that your work area is kept clean and well lit.** Lack of visibility and clutter greatly increase the risk of accident when using tools.
- **Keep bystanders, pets, and children clear when operating this power tool or machine.** They can cause distraction or risk injury to themselves.
- **Ensure you are not operating the power tool or machinery in the presence of dust, liquids, flammable gases, or anything that can create an explosive atmosphere.** Power tools and machinery can create sparks which can lead to ignition and fire hazards in working environments.

Personal Safety

- **Always wear personal protective equipment (PPE).** Eye protection, ear protection, dust masks, and other protective equipment will help to reduce the risk of personal injury or long-term illnesses.
- **Dress appropriately. DO NOT wear loose clothing that can get caught in moving parts.** Keep hair, loose clothing, jewellery, and anything else that could be of risk, away from moving parts in the machine, or they could become caught therein.
- **Always remain alert and DO NOT operate power tools or machinery under the influence of any substances such as alcohol or drugs, including prescription medications.** Lack of focus could lead to injury or accidents while operating these power tools and machinery.
- **Always ensure proper footing and balance.** Overreaching can lead to slipping and falling which can result in injury or accident.
- **Ensure the power switch is in the OFF position before connecting any battery, or power source to the power tool or machinery.** This can cause injury as tools and machinery can suddenly fire incidentally when live, causing accidents.
- **Use all provided dust collection and extraction attachments, if included.** This equipment, along with the use of PPE dust masks, can help keep you safe from dust, and keep your work site clear from hazards.
- **Ensure loose parts such as wrenches or adjusting keys are removed before starting the power tool or machinery.**

SAFETY GUIDELINES

Electrical Safety

- **DO NOT use the power tool or machinery in rainy conditions or wet areas where the power tool or machinery could get wet.** Water in this power tool or machinery can lead to electric shock.
- **Only use the power tool or machinery when the plug correctly matches the power outlet.** Modifying plugs greatly increases the risk of electric shock.
- **Keep the power cord away from anything that could damage it such as sharp edges, moving parts or heat.** A damaged power cord increases the risk of electric shock.
- **Only operate outdoors with the use of an outdoor extension lead.** Not all extension leads are suited to outdoor use and using one which is not can greatly increase the risk of electric shock.
- **Avoid body contact with grounded or earthed surfaces.** Surfaces such as radiators, ranges, pipes, and refrigerators can increase the risk of electric shock due to your body being earthed or grounded.
- **Never carry the power tool by the cord, or yank the cable from the power outlet.** This can damage the internal wiring and may become a hazard.

WARNING

Electric shock can cause serious injury or, in some cases be fatal.

Power Tool & Machinery Use & Care

- **Use the correct tool for the job.** Forcing a tool to do a job it was not designed for increases the risk of accident or injury.
- **Disconnect tools and machinery from power, or remove batteries before doing any maintenance or adjustments, or before storing the tools and machinery.** This reduces or removes the risk of a power connection that causes the tool or machinery to accidentally fire, which can help prevent injury or accident.
- **Check the general condition of the power tool for damage or any problems that could affect the way the tool or machine works.** An unrepaired tool or machine can lead to accident and injury. Only have your tool or machine repaired with genuine parts from The ToolShed.
- **Only use the power tool and machinery with genuine parts or accessories that are designed to be used with this power tool and machinery.** Failure to do so could result in accident or injury, or damage your tool or machinery.
- **Store your tool or machinery out of reach of children, and away from untrained personnel when not in use.** Use by somebody untrained, or a child, could lead to accident or serious injury.

SAFETY GUIDELINES

Service

- **Have your tools and machinery serviced at The ToolShed with ToolShed replacement parts.** This will ensure that the safety of the power tool or machine is maintained.

WARNING

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Always Use Common Sense

- It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advise. Contact your dealer, service agent, or an experienced user. Do not attempt any task you feel unsure of!
- **Do not let familiarity gained from the frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

Reciprocating Saw Specific Safety

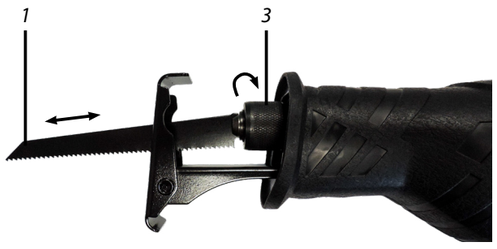
- Hold the Reciprocating Saw by its insulated gripping surfaces, especially when performing an operation where the cutting accessory may contact hidden wiring or its own cord. The cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and has the potential to give the operator an electric shock.
- Always hold the tool with both hands and ensure you have a stable stance.
- Allow the tool to come to a complete stop before putting it down. The blade may take a few seconds after turning off to stop moving, a running tool will jerk when the blade tip contacts any surface.
- Do not cut work pieces that are bigger than the saws cutting capacity (150mm Wood, 5mm steel).
- Do not cut nails or screws unless you are using a blade specifically designed for this purpose, inspect your material before cutting.
- Before switching on the tool, be sure the blade is not in contact the work piece.
- Check your area for proper clearance before cutting. This will avoid cutting into your workbench, the floor, etc.
- Keep your hands away from the saw blade. Do not reach under the work piece while cutting. Touching the saw blade may cause injury or accident.

ASSEMBLY

- To avoid accidental start up, check to make sure the lock-on button is not engaged before plugging the Reciprocating Saw in to power, and ensure that your finger is not on the trigger.

Installing the Blade (Fig.1)

- Unplug the power cord.
- Rotate the quick-release blade clamp (3) counter-clockwise by hand.
- At the same time, push the blade (1) into the clamp as far as it will go. Then release the quick-release clamp to securely lock in the blade. Lightly tug on the blade to ensure it is locked in place.



⚠ WARNING

Before plugging in the power cord, always pull on the blade to make sure it is securely locked in the clamp. Failure to do so may result in serious injury.

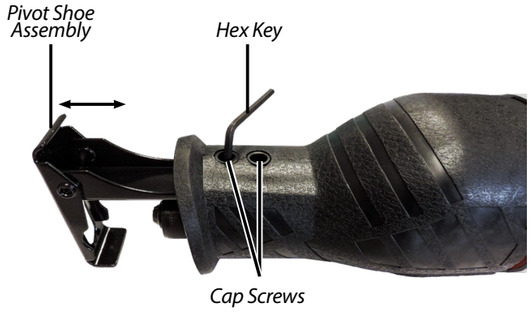
OPERATION

Switch ON/OFF (Fig.2)

- Connect the power plug to the power outlet, the power indicator light (5) will illuminate until the tool is disconnected from the power outlet.
- Turn the tool on or off by squeezing or releasing the switch trigger (6).
- For continuous operation simply press in the lock-on button (7) on the left side of the handle.

To Change Position of the Pivot Shoe Assembly (Fig.4)

- Unplug your power cord.
- Loosen both of the cap screws in the gear frame with supplied Hex Key.
- Reposition the pivot shoe assembly in or out.
- Retighten both cap screws securely. Ensure you do not over tighten the cap screws.
- Remove the Hex Key.



OPERATION

General Cutting

- Clamp your work piece if it is portable, rest the front shoe of the saw on your work piece (be sure the blade is not contacting the work piece) and start the saw, exerting enough pressure in the direction of the cut to keep the shoe pressed firmly against the work piece at all times, Do not force the cut or stall the saw. Don't bend or twist the blade, ideally let the tool and the blade do the work.
- In general, coarser blades are for wood, plastics, and composites. While finer blades are for cutting metal. Chattering or vibration may indicate you need finer blade, or higher speed. If the blade overheats or clogs, it may indicate you need a coarser blade. When they become dull, duller blades will produce poor results and may overheat the saw.

Plunge Cutting

- Clearly mark the line of cut, from a convenient starting point within the cut out area, place the tip of the blade over the marked point with the saw parallel to the line of cut.
- Slowly lower the saw until the button edge of the shoe rests on the work piece, with the blade *not* touching the work piece, start the saw and allow it to attain full speed.
- With the weight of the saw resting on the shoe, slowly tilt the saw forward to lower the blade onto the cut line. Continue this motion until the saw blade is perpendicular to the work piece.

Metal Cutting

- Only blades specifically designated for cutting metals must be used for this purpose. You can use light oil as a coolant when cutting metal, this will prevent overheating of the blade, help the blade cut faster, and promote longer blade life.

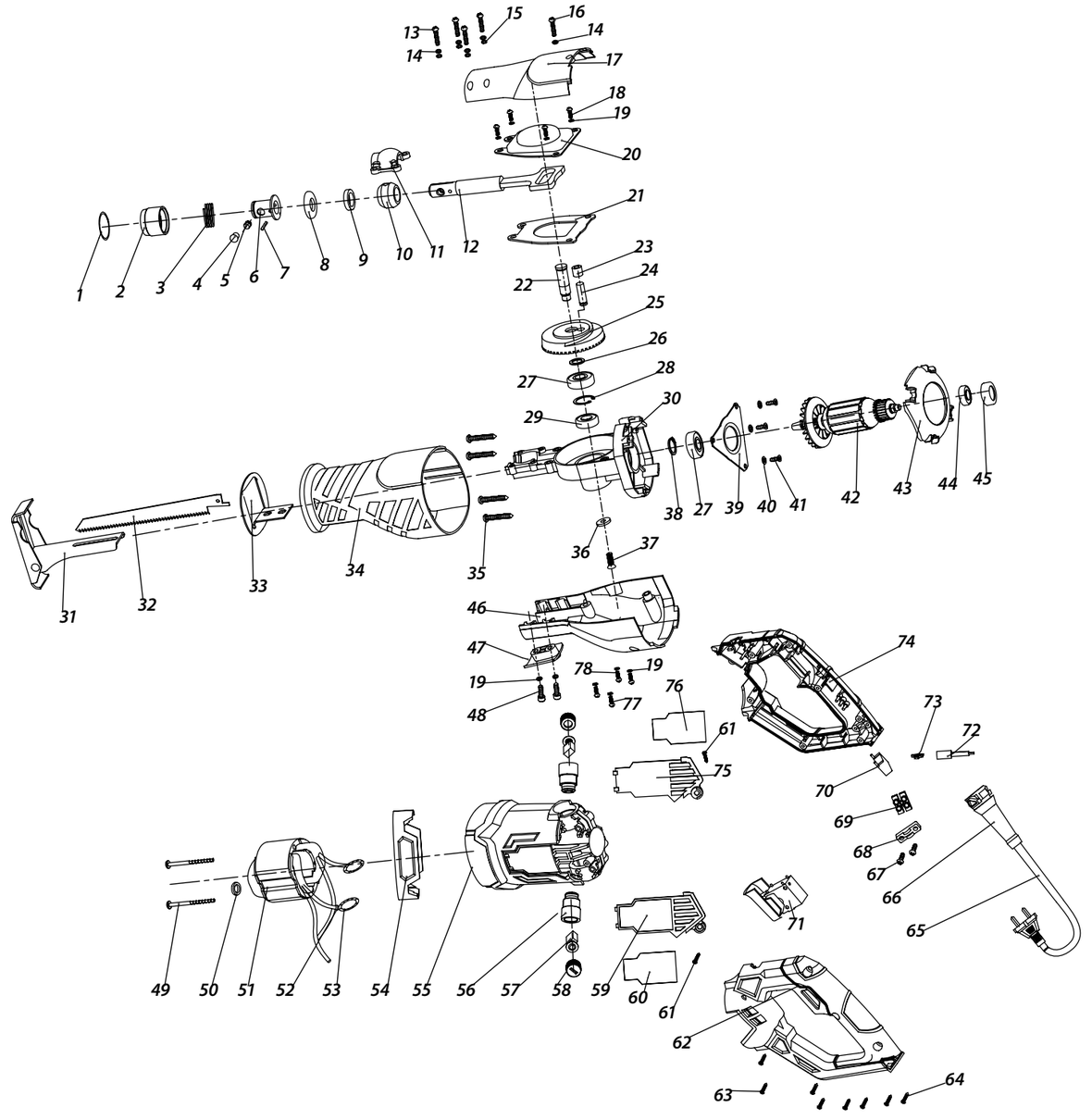
MAINTENANCE

- Before cleaning or performing any maintenance, you must ensure the tool is switched off and disconnected from the power supply.
- Compressed air is the most effective way to clean this tool. Always wear PPE safety goggles when cleaning tools with compressed air.
- Check the carbon brushes of the machine in the event of excessive sparking.
- Ventilation openings and switch levers must be kept clean. DO NOT attempt to clean by inserting pointed objects through openings.
- Do not use harsh chemicals or solvents when cleaning this tool.
- If you discover any damaged or broken parts, consult your nearest ToolShed for replacements and advise.

Replacement of the Carbon Brushes (Fig. 5)

- For safety reasons, the machine automatically switches off if the carbon brushes are so worn out that they no longer have contact with the motor. In that case, the carbon brushes must be replaced by a pair of similar carbon brushes (supplied). After you have used that pair, contact your nearest ToolShed for replacement bits.
- Loosen the carbon brush cover anti-clockwise using a screwdriver, open the cover and remove the carbon brushes.
- If they are 6mm or less then they must both be replaced. Fit new carbon brushes and change it. Always replace both carbon brushes at the same time.

TSRS01 EXPLODED VIEW & PARTS LIST



1	Chuck Washer	16	Philips Screw M4×8	31	Shoe	47	Plastic Block	63	Phillips Screw M4.2×40
2	Outer Ring	17	Gearing Housing	32	Saw Blade	48	Hex Screw M5×14	64	Phillips Screw M4.2×16
3	Tension Spring	18	Philips Screw M5×10	33	Baffle	49	Phillips Screw M4.2×65	65	Cable and Plug
4	Pin	19	Spring Washer 5	34	Rubber Cover	50	Connecting Ring	66	Cable Sleeve
5	Compression Spring	20	Cover Plate	35	Phillips Screw ST4.2×28	51	Stator	67	Phillips Screw M4.2×14
6	Inner Ring	21	Middle Plate	36	Washer 6×14×1.5	52	Cord Clamp	68	Cord Clamp
7	Chuck Pin 3×16	22	Gear Spindle	37	Cross CSK Screw M5×14	53	Spring	69	Terminal
8	Plastic Ring	23	Needle Bearing 7×13×11	38	Circlip for Shaft 12	54	Decoration Sleeve	70	Capacitor 0.22μF
9	Felt Ring	24	Pin 7×22.5	39	Bearing Plate	55	Housing	71	Switch
10	Sliding Bearing	25	Gear	40	Washer 4	56	Carbon Brush Holder	72	Indicator-Lamp
11	Ball Press Cover	26	Washer Ø12×Ø24×1	41	Cross CSK Screw M4×8	57	Carbon Brush	73	Indicator-Lamp Cover
12	Reciprocating Lever	27	Bearing 6201-2Z	42	Rotor	58	Carbon Brush Cover	74	Right Handle
13	Phillips Screw M4×20	28	Circlip for Shaft 26	43	Air Baffle Plate	59	Left Label	75	Right Label
14	Spring Washer 4	29	Bearing 60000-2Z	44	Bearing 608-2Z	60	Nameplate	76	Nameplate
15	Flat Washer 4	30	Gearing Housing	45	Bearing Sleeve	61	Phillips Screw M4.2×12	77	Phillips Screw M5×20
				46	Plastic Sleeve	62	Left Handle	78	Phillips Screw M5×16