ICON Power Tools

SAFETY AND OPERATING MANUAL

720W

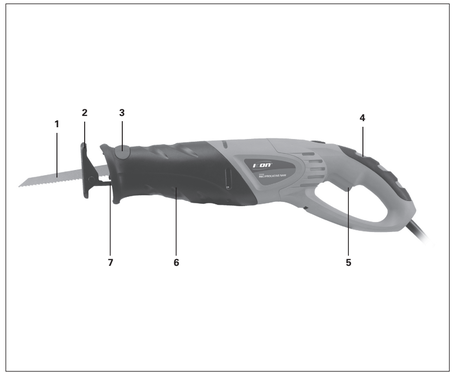
RECIPROCATING SAW

IC72RS

Caution: Carefully read this entire Instruction Manual before using this product

Thank you for purchasing an Icon product. We are confident that this product will meet and exceed your expectations of quality and reliability. Please take the time to carefully read this entire instruction manual before using your new product. Take note of the safety precautions contained herein.

ICON Power Tools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A


A


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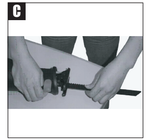
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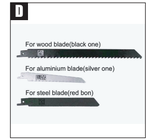
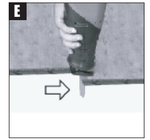

D
For wood blade(black one)
For aluminium blade(silver one)
For steel blade(red bon)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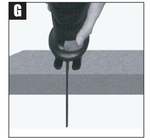

G


H


I


J

B

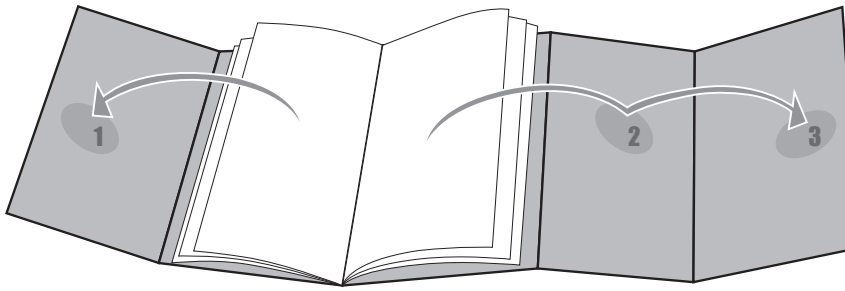
C

Contents

I - Component List

1. Blade*
2. Pivoting foot plate
3. Tool-free blade clamp lever
4. Soft grip handle
5. Trigger switch
6. Front grip handle
7. Tool-Free Foot Plate Adjusting Button

***Not all the accessories illustrated or described are included in standard delivery.**



II - Technical specifications

Rated voltage	230-240V~50Hz
Rated power	720W
No load speed	0-2700/min
Sound pressure level	88 dB(A)
Sound power level	99 dB (A)
Vibration level	22.4 m/sec^2
Max. Cutting capacity:	190mm(wood)
	20mm(aluminum)
	12mm(steel)
	120mm (pipe)
Stroke length:	20 mm
Double insulation:	⧈/II
Weight	3.5 kg

III - Safety instructions

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

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 these devices 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 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 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.

ADDITIONAL SAFETY RULES FOR YOUR RECIPROCATING SAW

1. Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.
2. Fully unwind cable drum extensions to avoid potential overheating.
3. When an extension cable is required you must ensure it has the correct ampere rating for your power tool and is in a safe electrical condition.
4. Ensure your mains supply voltage is the same as indicated on the rating plate.
5. Your tool is double insulated for additional protection against a possible electrical insulation failure within the tool.
6. Always check walls, floors and ceilings to avoid hidden power cables and pipes.
7. After long working period, external metal parts and accessories could be hot.

8. Always hold the saw firmly with both hands when operating.
9. Only withdraw the blade from the cut when the blade has been stopped moving.
10. The pivoting blade foot must be held firmly against the material being cut to reduce saw vibration, blade jumping and blade breakage.
11. Before cutting, check the cutting line is free of nails, screws, etc.
12. If possible, ensure the work-piece is firmly clamped to prevent movement.
13. Always wear safety glasses or eye shields when using the reciprocating saw. Everyday eyeglasses have only impact-resistant lenses; they are NOT safety glasses. Following this rule will reduce the risk of serious personal injury.
14. **Always wear a face mask or dust mask.** Following this rule will reduce the risk of serious personal injury.
15. **Always wear hearing protection during extended periods of operation.** Following this rule will reduce the risk of serious personal injury.
16. **Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a “live” wire will make the exposed metal parts of the tool “live” and shock the operator.
17. **Keep your hands away from cutting area. DO NOT** reach under the material being cut because the nearness of the blade to your hand is hidden from your sight.
18. **Do not use dull or damaged blades.** Bent blades can break easily, or cause kickback.

WARNING: Some dust particles created by power sanding, sawing, grinding, drill and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

Lead from lead-based paints.

Crystalline silica from bricks and cement and other masonry products.

Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

Work in a well-ventilated area.

Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

IV - Symbols


Read the manual


Warning


Double insulation


Wear eye , ear protection & dust mask


RCM approval
5112

V - Accessories

blade for wood(235MM,6TPI)	1
blade for metal(150MM, 25TPI)	1
blade(150MM, 10TPI)	1

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

VI - Operation instructions

NOTE: Before using the tool, read the instruction book carefully.

1

TRIGGER SWITCH (See Fig. A)

Your tool is equipped with a variable speed controlled trigger switch. The tool can be turned “ON” or “OFF” by squeezing or releasing the trigger. The blade stroke rate can be adjusted from the minimum to the maximum stroke rate as listed on the nameplate by the pressure you apply to the trigger. Apply more pressure to increase the speed and release pressure to decrease speed. High speed is better for wood cutting, middle speed is better for Aluminium cutting, lower speed is better for steel cutting.

2

HANDLE GRIP AREAS (See Fig.B)

Always hold your saw firmly with both hands on the handle grip areas when operating.

3

FITTING AND REMOVE SAW BLADE (See Fig.C,D)

CAUTION: TURN OFF AND UNPLUG TOOL FROM POWER SUPPLY.

Push blade clamp lever up with your thumb, as shown. Insert the blade into the saw’s blade clamp and make sure that hole in the blade’s shank fits onto the nub inside the

clamp. Release the blade clamp lever and make sure blade is locked securely in place.
NOTE: Fit for correct blade, which we provided for your purpose.

4

FLUSH CUTTING (See Fig.E, F)
It is possible to make cuts extremely close to floors, walls and other difficult areas. Insert the blade shank into the blade clamp with the blade teeth facing up (opposite to normal working position). This will make cuts closer to the work surface.
Using special flexible blades insert the blade into the blade clamp with the blade tooth facing down (normal working position). This will allow flush pipe cutting.

5

WOOD CUTTING (See Fig.G)
Always ensure the work-piece is firmly clamped to prevent movement. For easier control use low speed to start cutting, then increase to the correct speed.

6

METAL CUTTING (See Fig.H)
This saw has different metal cutting capacities depending upon the type of blade being used and metal being cut.
ALWAYS clamp the work down to prevent it from slipping.
Use a finer blade for ferrous metals and a coarse blade for non-ferrous metals.
When cutting thin gauge sheet metals, **ALWAYS** clamps wood on both sides of the sheet. This will give you a clean cut without excess vibration or tearing of the metal.
DO NOT forces the cutting blade. Forcing the blade will reduce blade life and cause the blade to break.
NOTE: We recommend that you spread a thin film of oil or other coolant along the line of cut ahead of the saw. This will allow easier operation and help extend blade life. When cutting aluminum, use kerosene.

7

POCKET CUTTING (WOOD ONLY) (See Fig.I)
Mark the pocket or internal hole to be cut out. Insert the special cutting blade with blade teeth facing down and clamp securely. Angle the saw so that the back edge of the pivoting foot plate is resting on the work surface. Use a slow speed to start the cut to avoid breaking the blade but increase to correct speed once the cut has started. With the pivoting foot plate held firmly against the work surface, start a slow but controlled upward swing of the saw. The blade will cut into and through the material. Always ensure the blade is completely through the material before cutting the remainder of the pocket.

8

PIVOTING FOOT PLATE (See Fig.J)
The pivoting foot plate has 3 position of depth. If you need to gain different cutting capacity of your tool the pivoting foot plate may be adjusted as follows. Pressing down the foot plate adjusting button (7), push the pivoting foot plate to end step for max cutting capacity, pull the foot plate at the middle step for middle cutting capacity, pull the plate to the outer step for minimum cutting capacity. And then release the lock button and confirm the button rebound completely and the plate be locked securely. Turn the pivot to adjust the support angle.

VII - Work hints for your reciprocating saw

If your power tool becomes too hot, set the speed to maximum and run a no load for 2-3 minutes to cool the motor.
Always ensure the work-piece is firmly held or clamped to prevent movement.
The pivot foot plate must be held firmly against the material being cut to reduce saw vibration, blade jumping and blade breakage.

VIII - Maintenance

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.
Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

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.

IX - Warranty

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A samll freight charge may apply.
The warranty replacement unit only made available by returning the tool to the place of purchase with a confirmde register receipt.
Proof of purchase is essential.
We reserve the right to reject any claim where the purchase cannot be verified.
This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use.