

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.



IMPORTANT

PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

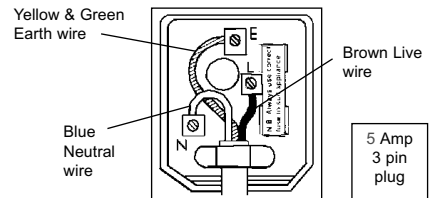
The use of symbols in this document is to attract your attention to possible danger. The symbols and warnings themselves do not eliminate any danger, nor are they substitutes for proper accident prevention measures.

1. SAFETY INSTRUCTIONS

1.1 ELECTRICAL SAFETY. p WARNING! It is the user's responsibility to check the following:

You must check all electrical equipment and appliances to ensure they are safe before using. **You must** inspect power supply leads, plugs and all electrical connections for wear and damage. **You must** ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD together with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a professional electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. **You must** also read and understand the following instructions concerning electrical safety.

- 1.1.1. The **Electricity At Work Act 1989** requires all portable electrical appliances, if used on a business premises, to be tested by a qualified person at least once a year by using a Portable Appliance Tester (PAT).
- 1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of the appliance, and the safety of the appliance operator. **If in any doubt about electrical safety, contact a qualified electrician.**
- 1.1.3. DO ensure that the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.2. above and use a Portable Appliance Tester (PAT).
- 1.1.4. DO ensure that cables are always protected against short circuit and overload.
- 1.1.5. DO regularly inspect power supply, leads, plugs and all electrical connections for wear and damage, especially power connections to ensure that none are loose.
- 1.1.6. DO check that the voltage marked on the product is the same as the electrical power supply to be used, and check that all fused plugs are fitted with the correct capacity fuse.
- 1.1.7. DO NOT pull or carry the powered appliance by its power supply lead. Products such as welders must not be pulled or carried by their output cables.
- 1.1.8. DO NOT pull power plugs from sockets by the power cable.
- 1.1.9. DO NOT use worn or damage leads, plugs or connections. Immediately replace or repair by qualified persons. A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (UK only - see diagram at right).
 - a) Ensure the unit is correctly earthed via a three-pin plug.
 - b) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
 - c) Connect the BROWN live wire to live terminal 'L'.
 - d) Connect the BLUE neutral wire to the neutral terminal 'N'.
- 1.1.10. If you use the jig saw outdoors and you need an extension cord, ensure the cord is marked for outdoor use.



1.2 GENERAL SAFETY

- 3 Disconnect the jig saw from the mains power before changing accessories, servicing or performing any maintenance.
- 3 Keep saw in good condition. Check moving parts and alignment, and keep saw blades sharp. If necessary use authorised service agent.
- 3 Replace or repair damaged parts. *Use recommended parts only. Non authorised parts may be dangerous and will invalidate the warranty.*
- 3 Keep the jig saw clean for best and safest performance.
- 3 Wear approved safety eye protection with side shields, and a dust mask if jig saw generates dust. Rubber gloves are recommended when using out doors.
- 3 Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and contain long hair.
- 3 Use the jig saw in an adequate working area for its function, keep area clean and tidy and free from unrelated materials, and ensure there is adequate lighting.
- 3 Use the correct type of blade for the task, such as cutting wood, resin board, ceramic tiles, plastics, copper tubing and thin metal sheeting (see list in chapter 3).
- 3 Prevent body contact with grounded surfaces to avoid electric shock i.e. pipes, radiators, ranges, refrigerators etc.
- 3 Evaluate your working area before using the jig saw i.e. floors and enclosures may contain hidden electrical wires or water piping.
- 3 Maintain correct balance and footing. DO Not over-reach and ensure the floor is not slippery and wear non skid shoes.
- 3 Keep children and unauthorised persons away from the working area.
- 3 Secure non stable work piece with a clamp, vice or other adequate holding device.
- 3 Avoid unintentional starting, and ensure the lock on button is disengaged before use.
- 3 Ensure the power cable is kept to the rear of the saw.



SAFETY INSTRUCTIONS CONTINUED:

- 7 DO NOT force jig saw but allow the saw to progress normally. Force may brake the blade.
- 7 DO NOT secure the saw in a clamp or vice.
- 7 DO NOT use the saw without it's front guard down and ensure blade is secured.
- 7 DO NOT touch the blade and DO NOT point the blade at yourself and others.
- 7 DO NOT operate jig saw where there are flammable liquids or gasses.
- 7 DO NOT get the jig saw wet or use in damp or wet locations.
- 7 DO NOT hold unsecured work in your hand.
- 7 DO NOT turn the saw on whilst the blade is in a work piece.
- 7 DO NOT leave the jig saw running whilst laying on it's side or if unattended.
- 7 DO NOT operate jig saw if any parts are missing or if saw and/or blade is damaged as this may cause failure or possible personal injury.
- 7 DO NOT operate jig saw when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- 7 DO NOT carry the jig saw with your finger on the power switch.
- 3 When not in use switch jig saw off, remove plug from power supply and store in safe, dry, child proof area.

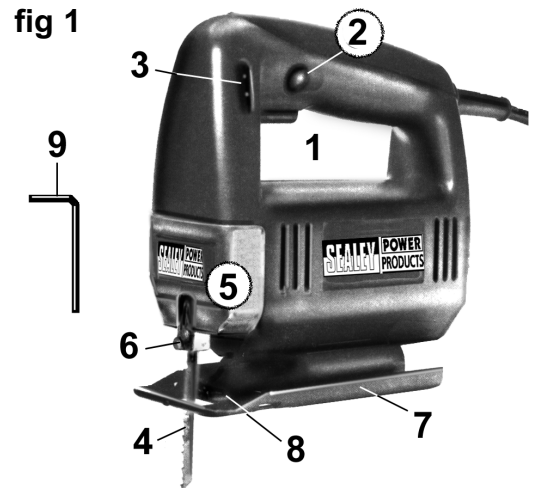
2. SPECIFICATIONS & DESCRIPTION

SPECIFICATIONS

Length of stroke19mm (3/4")
 Cutting capacity steel5mm (3/16")
 Cutting capacity wood50mm (2")
 Power input230V 500Watt
 Stroke per minuteno: 700-3200 SPM
 Net weight2.25kg
 Sound pressure level94 dB (A)
 Sound power level107 dB (A)

DESCRIPTION

- 1. On/off trigger.
- 2. Locking button
- 3. Variable control switch
- 4. Cutting blade
- 5. Cutting guard
- 6. Blade locking screws
- 7. Angle plate
- 8. Blade rollers
- 9. Hex key



3. OPERATING INSTRUCTIONS

WARNING! Ensure the jig saw is switched off and unplugged from the mains power supply. DO NOT use blunt or damaged blades, and use the correct blade for the materials to be cut.

3.1. Fitting the saw blade.

- 3.1.1. Lift the plastic saw guard up (fig 1.5).
- 3.1.2. Take the hex key (9) and loosen the two hex screws in the saw head (fig 2) (do not remove screws).
- 3.1.3. Insert the saw blade into the centre slot of the saw head as far as it will go.
- 3.1.4. Tighten hex screws and check that the back of the saw blade is in the groove of the roller guide (fig 2a).

The following table is a guide to speed settings and blade types according to materials you wish to cut.

MATERIAL	SPEED SETTING	TPI OF BLADE
Soft wood	max	6
Hard wood	5- max	6
Plastic	4-6	10
Aluminium	3-6	10
Steel	2-4	24
Ceramic tiles	1-3	Carbide tipped
Glass	1-3	Carbide tipped
Rubber	4-6	Knife edge
Leather	4-6	Knife edge

WARNING! BEFORE USE ENSURE ALL SAFETY INSTRUCTION IN CHAPTER 1 ARE STRICTLY FOLLOWED

3.2. ON/OFF Switch.

- 3.2.1. Start and stop your jig saw by depressing and releasing the on/off switch (fig 3).
- 3.2.2. To lock the switch in the on mode depress the on/off switch and the lock button (fig 1.2) at the same time, then release the lock button.
- 3.2.3. To release the lock depress the on/off switch again and the saw will stop.

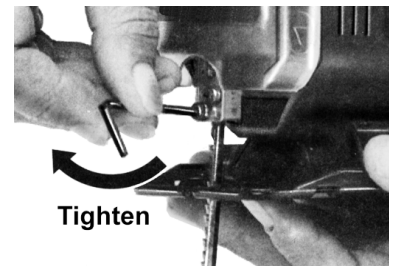


fig 2

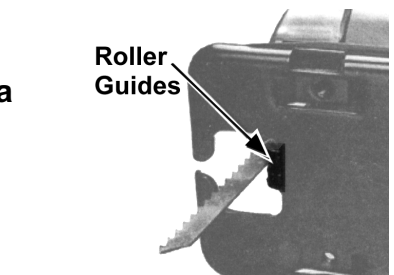


fig 2a

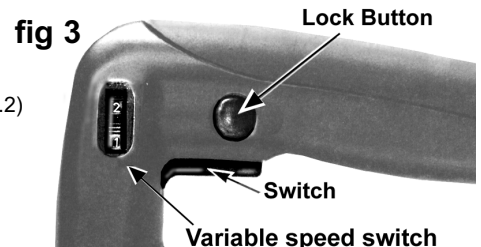
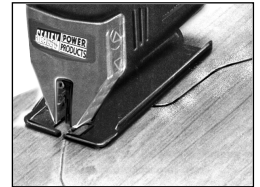


fig 3

3.3. Speed setting.

A variable speed switch is located in the handle (fig 3). Switch setting 1 is the lowest speed and setting 6 is the highest.

fig 4



3.4. Cutting Wood. Maximum thickness of wood 50mm (2")

3.4.1. General cutting.

- Check that the base plate (fig 1.7) is at 90° to the saw blade.
- For accurate cutting, hold the tool at right angles and ensure the base of the tool is in firm contact with the work.
- When sawing furniture lubricate the blade teeth with a little oil.

fig 5



3.4.2. Arc cutting. (fig 4).

To cut small circles or arcs, reduce the speed by using the variable speed switch (fig 3).

3.4.3. Centre cutting.

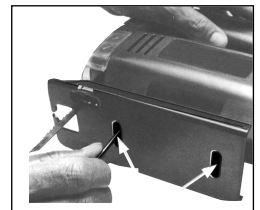
To avoid drilling pilot holes in the centre of boards etc use the following method.

- Ensure the base of the jig saw is set at 90° to the blade as normal, and rest base on the work piece (fig 5) without the blade touching the work surface.
- Slowly lower the moving blade to the surface and proceed to saw downward until blade penetrates the work. **Note:** This method is only suitable for wood.

3.4.4. Bevel (angle) cutting.

Loosen the hex screws through the holes in the base plate (fig 6a). Note the scale marked on the plate and adjust according to the required angle, and tighten the hex screws. Ensure work is adequately clamped, especially when cutting at a 45° angle (fig 6b).

fig 6a



s DANGER! DO NOT force the blade as this may cause it to brake

3.5. Cutting Metal. Maximum thickness of steel 5mm (3/16") Maximum Non-ferrous 20mm.

Use a light cutting oil for steel and a turbine for light metals such as aluminium. To cut a hole in the centre of a work piece a hole must be drilled first (DO NOT use the saw to pilot the cutting hole).

fig 6b



4. MAINTENANCE.

p WARNING! Ensure the jig saw is switched off and unplugged from mains

4.1. Cleaning

Keep the jig saw ventilation slots clean and free from obstructions. If available blow compressed air into vents to clear any internal dust (safety goggles must be worn when undertaking this process). Keep the outer case of the saw clean and free from grease. DO NOT wash with water or use solvents or abrasives

4.2. Saw Blade

Check blades to ensure they are sharp and not damaged or bent. DO NOT use blunt or damaged blades.

4.3. Carbon Brushes.

- To change the brushes turn the unit on its right and remove the casing screws.
- When the casing is removed the motor assembly will become accessible. At the rear of the assembly, located on the top and bottom, are located the two brush holders.
- Slide out the brushes and slide in the new ones.
- Refitting is a reversal of the procedure.

Declaration of Conformity We, the sole importer into the UK, declare that the product listed below is in conformity with the following EEC standards and directives.

Variable Speed Jig Saw Model SJE500

73.23/EEC
Low Voltage Directive (S.I. 1994/3260)
89/336/EEC
EMC Directive (S.I. 1992/2372 & Amendments)



The construction file for this product is held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd

Signed by John Sealey  Date 1st April 1998

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Products

IMPORTANT: No responsibility is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date. Proof of purchase will be required for any claim.

INFORMATION: Please call us for a copy of our latest catalogue



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