

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.

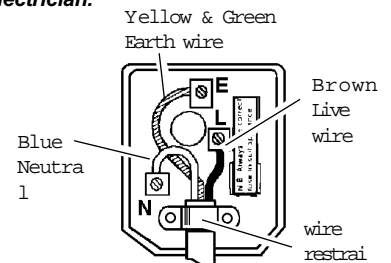
The use of symbols in this document is to attract your attention to possible danger. The symbols and warnings themselves do not eliminate any danger, nor are they substitutes for proper accident prevention measures.

## 1. SAFETY INSTRUCTIONS

### 1.1. ELECTRICAL SAFETY. **WARNING! It is the user's responsibility to read, understand and comply with 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 Breaker) should be incorporated in the main distribution board. We also 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 Electrician 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 doubt about electrical safety, contact a qualified electrician.**
- 1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.1. & 1.1.2. above and use a Portable Appliance Tester (PAT).
- 1.1.4. Ensure that cables are always protected against short circuit and overload.
- 1.1.5. 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. **Important:** Ensure the voltage marked on the product is the same as the electrical power supply to be used, and check that plugs are fitted with the correct capacity fuse. A 13Amp plug may require a fuse smaller than 13Amps for certain products (*subject to 1.1.10. below*) see fuse rating at right.
- 1.1.7. DO NOT pull or carry the powered appliance by its power supply lead.
- 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 have repaired by a qualified Electrician. 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 (discard old plug safely). (UK only - see diagram at right). **Ensure the unit is correctly earthed via a three-pin plug.**
  - a) **Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.**
  - b) **Connect the BROWN live wire to live terminal 'L'.**
  - c) **Connect the BLUE neutral wire to the neutral terminal 'N'.**



### FUSE RATING

THIS PRODUCT MUST BE FITTED

WITH A:

**5 Amp FUSE**

**After wiring, check there are no bare wires, that all wires have been correctly connected and that the wire restraint is tight.**

Double insulated products are often fitted with live (BROWN) and neutral (BLUE) wires only. Double insulated products are always marked with this symbol . **To re-wire, connect the brown & blue wires as indicated above. DO NOT connect the brown or blue to the earth terminal.**

- 1.1.10. **Cable extension reels.** When a cable extension reel is used it should be fully unwound before connection. A cable reel with an RCD fitted is recommended since any product which is plugged into the cable reel will be protected. The section of the cable on the cable reel is important. We recommend that at least 1.5mm<sup>2</sup> section cable but to be absolutely sure that the capacity of the cable reel is suitable for this product and for others that may be used in the other output sockets, we recommend the use of 2.5mm<sup>2</sup> section cable.

### 1.2 GENERAL SAFETY

- 3 Disconnect the 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 saw clean for best and safest performance.
- 3 Wear approved safety eye protection with side shields, and a dust mask if 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 saw in adequate working area for its function, keep area clean, tidy and free from unrelated materials. Ensure adequate lighting.
- 3 Use the correct type of blade for the task. Only use saw to cut wood, resin board and thin metal sheeting.
- 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 saw i.e. floors and enclosures may contain hidden electrical wires or water piping.
- 3 Maintain correct balance and footing. DO NOT over-reach, ensure the floor is not slippery and wear non slip 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 your keep the power cable to the rear of the saw.
- 7 DO NOT force saw but allow the saw to progress normally. Force may brake the blade.
- 7 DO NOT secure the saw in a clamp or vice and DO NOT hold unsecured work in your hand.
- 7 DO NOT turn saw on whilst blade is in contact with work piece. When cutting groove draw blade back from edge to be cut before starting saw.
- 7 DO NOT touch the blade and DO NOT point the blade at yourself or others.
- 7 DO NOT operate the saw where there are flammable liquids or gasses.
- 7 DO NOT get the saw wet or use in damp or wet locations.

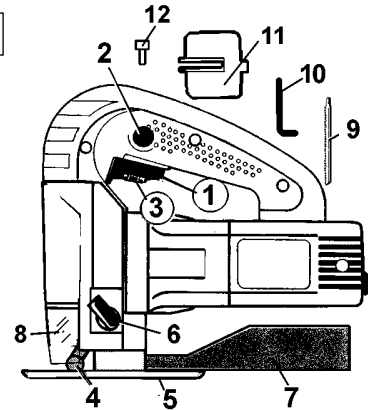
- 7 DO NOT leave the saw running whilst laying on its side or if unattended.
- 7 DO NOT operate saw if any parts are missing or if saw and/or blade is damaged as this may cause failure or possible personal injury.
- 7 DO NOT operate saw when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- 7 DO NOT carry the saw with your finger on the power switch.
- 7 DO NOT cover the air vents while operating as this will cause the saw motor to overheat.
- 7 DO NOT use the saw for a prolonged period of time, without resting your hand, wrist, and arm. Prolonged use may cause physical injury due to the vibrating effect of the tool.
- 7 DO NOT run saw for prolonged periods at slow speeds. Stop and allow machine to cool.
- 3 When not in use switch saw off, remove plug from power supply and store in safe, dry, child proof area.

## 2. SPECIFICATIONS & DESCRIPTION

Power input	.....	230V 600Watt
Length of stroke	.....	.25mm (3/4")
Cutting capacity wood	.....	.85mm
Cutting capacity steel	.....	.6mm
Cutting capacity nonferrous metal	.....	.20mm
Stroke per minute	.....	.500-3000spm
Net weight	.....	.2.4kg
Sound pressure level	.....	.90dB (A)
Sound power level	.....	.103dB (A)
Vibration	.....	.4.3 m/s <sup>2</sup>

1. On/off trigger.
2. Locking button
3. Variable speed regulator
4. Blade rollers
5. Base plate
6. Pendulum switch
7. Dust extraction connector
8. Blade guard
9. Saw blade
10. Hex key
11. Plastic dust shield
12. Hex Retaining screw

fig 1



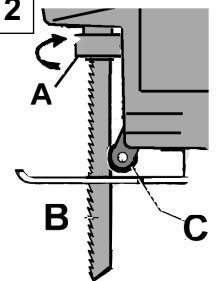
## 3. OPERATING INSTRUCTIONS

**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. Remove the blade guard (fig 1.8) and turn the blade lock (fig 2A).
- 3.1.2. Insert the saw blade as far as it will go (fig 2B), this may be a tight fit. Take care when handling the blade.
- 3.1.3. Release the blade lock which will spring back locking the blade in place. Check that the back of the saw blade is resting on the roller guide (fig 2C).

fig 2



### 3.2. ON/OFF Switch.

- 3.2.1. Start and stop your saw by depressing and releasing the on/off switch (fig 1.1).
- 3.2.2. To lock the switch in the "ON" mode depress the on/off switch and the lock button (fig1.2) at the same time, then release lock button.
- 3.2.3. To release the lock depress the on/off switch again and the saw will stop.

### 3.3. Speed setting.

A variable speed regulator is built into the on/off switch (fig 1.3). To obtain desired speed, shift the regulator button to the left or right.

### 3.4. Dust extraction.

- 3.4.1. The saw is fitted with dust extraction connector (fig 1.7) which may be attached to a vacuum cleaner or a dust extraction unit. Always turn dust extraction unit on before starting work and ensure hose is always behind saw blade.
- 3.4.2. To remove the dust connector from the saw, turn the saw upside down and push the plastic base of the extractor inwards, whilst withdrawing the connector.
- 3.4.3. If you do not use a dust extractor, fit the plastic dust shield (fig 3.c) into the saw slot (fig 3.b) to minimise cutting waste from entering through the blade slot.

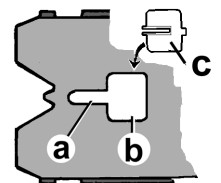
### 3.5. Cutting Wood. Maximum thickness of wood 85mm.

**WARNINGS!** Ensure you read, understand and follow chapter 1 safety requirements. **DANGER!** DO NOT force the blade as this may cause it to break.

#### 3.5.1. General cutting.

- a) Check that the base plate (fig 1.5) is at 90° to the saw blade, and that the base is pushed back so that the blade will operate through the small base slot (fig 3.a. view from the underside of saw).
- b) For accurate cutting, hold saw at right angles and ensure base of tool is in firm contact with the work.

fig 3



#### 3.5.2. Curve, cutting.

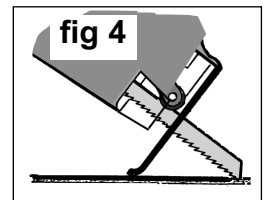
To cut small circles or arcs, reduce the speed by using the variable speed switch (fig 1.3).

#### 3.5.3. Centre cutting.

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

- a) Ensure the base of the saw is set at 90° to the blade as normal, and rest the base on the work piece (fig 4) without the blade touching the work surface.
- b) 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.

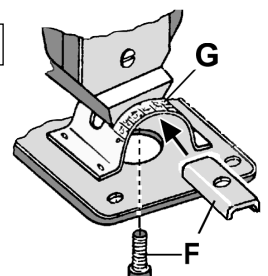
fig 4



#### 3.5.4. Bevel (angle) cutting.

- a) Remove the dust connector as in 3.4.2. and/or dust shield (fig 1.11).
- b) Loosen screw and channel plate (fig 5.F) with hex key (fig 1.10). Incline the base to the desired angle as marked on the graduated scale (G).
- c) Move the base as far forward as possible to give the blade adequate clearance (fig 3. b). Diagram shows position (a) for normal operation, and position (b) to allow blade clearance when the base is placed at an angle.
- d) Firmly re-tighten screw and channel plate (fig 5.F). Ensure work is adequately clamped, especially when cutting at a 45° angle.

fig 5

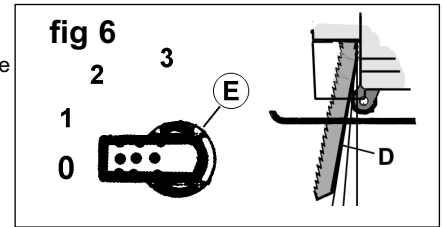


### 3.5.5. Pendulum cutting (fig 6).

Pendulum cutting is performed by adjusting the pendulum switch (fig 1. 6 & fig 6). This option will allow the blade to swing (fig 6.D) resulting in improved cutting and the use of a higher speed for certain materials.

- a) When the pendulum setting control (fig 6. E ) is set at "0" the pendulum mechanism is off, and the blade will operate in a rigid up and down movement.
- b) To engage the pendulum option, turn switch (E) to number 1. To increase the amount of swing, progress to number 2 and 3 accordingly.

Note: This action may be performed while the saw is operating.



Suggested pendulum settings: WOOD = Settings 1,2 or 3. ALUMINIUM = Settings 0 & 1 only. OTHER MATERIALS = Setting 0 only.

⚠ **DANGER! DO NOT force the blade as this may cause it to brake.**

### 3.6. Cutting Metal. Maximum thickness of steel 6mm. Maximum Non-ferrous 20mm.

Use appropriate lubrication.

To cut a hole in the centre of a work piece a hole must first be drilled. (DO NOT use the saw to pilot the cutting hole).

## 4. MAINTENANCE.

⚠ **WARNING!** Ensure the jig saw is switched off and unplugged from mains power supply.

### 4.1. Cleaning

Keep the 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 saw body clean by using a slightly damp cloth. DO NOT WASH with water or use solvents or abrasives.

4.2. **Lubrication.** Periodically place a small drop of oil between the saw blade and support wheel, and the wheel spindle.

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

4.4. **Carbon Brushes.** Use an authorised Sealey service agent for the replacement of carbon brushes.

**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 SJE600

73.23/EEC Low Voltage Directive (S.I. 1994/3260)  
89/336/EEC EMC Directive (S.I. 1992/2372 & Amendments)  
98/37/EC Machinery Directive



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

Signed by Mark Sweetman

1st March 2000

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

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this product. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** Call on 01284 757525 for a copy of our catalogue. Leave your full name, address & postcode.



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