

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 AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

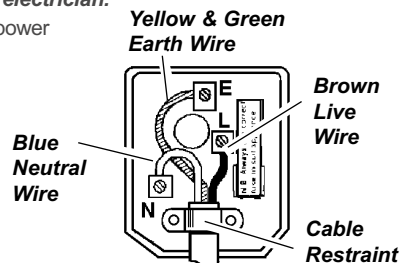
1. SAFETY INSTRUCTIONS

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 Circuit 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 qualified 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 business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
- 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 that 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 and especially power connections, to ensure that none is 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 13 amp plug may require a fuse smaller than 13 amps for certain products, see fuse rating at right. 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'.**
 - d) **After wiring, check there are no bare wires, that all wires have been correctly connected, that the cable external insulation extends beyond the cable restraint and that the restraint is tight.**



FUSE RATING
THIS PRODUCT MUST BE FITTED
WITH A
5 AMP FUSE

Double insulated products are 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 reel is important. It should be at least 1.5mm² but to be absolutely sure that the capacity of the reel is suitable for this product and for others that may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2. GENERAL SAFETY

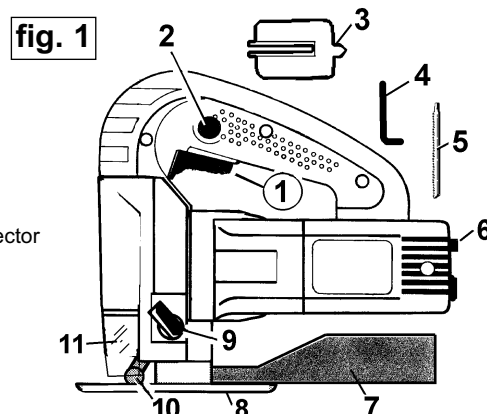
- ✓ Disconnect the saw from the mains power before changing accessories, servicing or performing any maintenance.
- ✓ Keep saw in good condition. Check moving parts and alignment, and keep saw blades sharp. If necessary use authorised service agent.
- ✓ Replace or repair damaged parts. *Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- ✓ Keep the saw clean for best and safest performance.
- ✓ Wear approved safety eye protection with side shields and a dust mask if saw generates dust. Rubber gloves are recommended when using outdoors.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ Use saw in a suitable work area. Keep the area clean, tidy and free from unrelated materials. Ensure adequate lighting.
- ✓ Use the correct type of blade for the task. Only use the saw to cut wood, resin board and thin metal sheeting.
- ✓ Prevent body contact with grounded surfaces, i.e. pipes, radiators, ranges, refrigerators etc., to avoid electric shock.
- ✓ Evaluate your work area before using the saw, floors and enclosures may contain hidden electrical wires or water piping.
- ✓ Maintain correct balance and footing. DO NOT over-reach, ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Secure unstable workpiece with a clamp, vice or other adequate holding device.
- ✓ Avoid unintentional starting and ensure the lock-on button is disengaged before use.
- ✓ Ensure your keep the power cable to the rear of the saw.
- x DO NOT force saw but allow the saw to progress normally. Force may break the blade.
- x DO NOT secure the saw in a clamp or vice and DO NOT hold unsecured work in your hand.
- x DO NOT turn on saw whilst blade is in contact with workpiece.
- x DO NOT touch the blade and DO NOT point the blade at yourself or others.
- x DO NOT operate the saw where there are flammable liquids or gasses.
- x DO NOT get the saw wet or use in damp or wet locations.

- x DO NOT leave the saw running whilst laying on its side or if unattended.
- x DO NOT operate saw if any parts are missing, or if saw and/or blade is damaged, as this may cause failure and/or personal injury.
- x DO NOT operate saw when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- x DO NOT carry the saw with your finger on the power switch.
- x DO NOT cover the air vents while operating as this will cause the motor to overheat.
- x 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 vibration of the tool.
- x DO NOT run saw for prolonged periods at slow speeds. Stop and allow machine to cool.
- ✓ When not in use switch off saw, remove plug from power supply and store in safe, dry, childproof area.

2. SPECIFICATION & DESCRIPTION

Power	.....600W
Power supply	.....230V 2.6A
Length of stroke	.....25mm
Cutting capacity wood	.....85mm
Cutting capacity steel	.....6mm
Strokes per minute	.....500-3000spm
Net weight	.....2.5kg
Sound pressure level	.....90dB(A)
Sound power level	.....103dB(A)
Vibration	.....4.3m/s ²

1. On/off trigger
2. Locking button
3. Plastic dust shield
4. Hex. key
5. Saw blade
6. Speed regulator
7. Dust extraction connector
8. Base plate
9. Pendulum switch
10. Blade roller guide
11. Blade guard

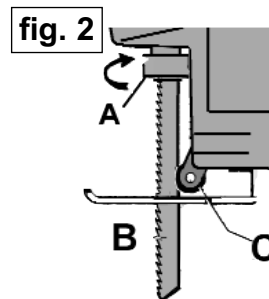


3. OPERATING INSTRUCTIONS

⚠ 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 material to be cut.

3.1. Fitting the saw blade

- 3.1.1. Remove the blade guard (fig. 1.11) and turn the blade lock (fig. 2.A).
- 3.1.2. Insert the saw blade (fig. 2.B) as far as it will go (it 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. 2.C).



3.2. On/Off switch

- 3.2.1. Start and stop the saw by depressing and releasing the on/off switch (fig. 1.1).
- 3.2.2. To lock the switch in the "On" position depress and hold the switch and then press and hold the lock button (fig. 1.2). Finally release the switch and then release the lock button.
- 3.2.3. To release the lock, depress and release the on/off switch and the saw will stop.

3.3. Speed setting

A variable speed regulator is built into the machine. To obtain the required speed, rotate the regulator (fig. 1.6) between '1' (slow) and '6' (fast).

3.4. Dust extraction

- 3.4.1. The saw is fitted with a 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, turn the saw upside down and push the plastic base of the extractor inwards, whilst withdrawing the connector.
- 3.4.3. If not using the dust extractor, fit the plastic dust shield (fig. 3.c) into the saw slot (fig. 3.b) to minimise dust.

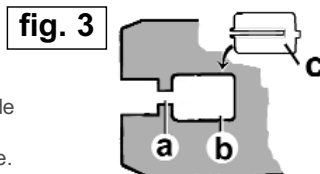
3.5. Cutting wood

⚠ WARNING! Ensure you read, understand and follow Section 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. 1.8) is at 90° to the saw blade and that it is pushed back so that the blade operates in the narrow slot (fig. 3.a).
- b) For accurate cutting, ensure that the base plate is in firm contact with the surface of the workpiece.



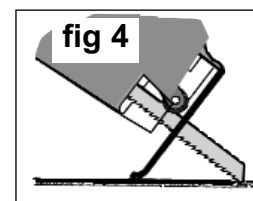
3.5.2. Curve cutting

To cut small circles or arcs, reduce the speed by using the speed regulator (fig. 1.6).

3.5.3. Centre cutting

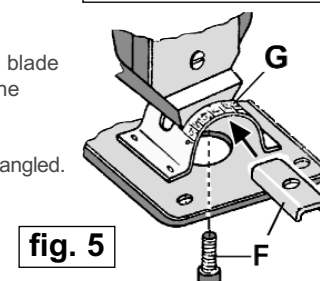
To avoid drilling pilot holes in the centre of boards etc., use the following method.

- a) Ensure the base of the saw is set at 90° to the blade and rest the front of the base on the workpiece (fig. 4) without the blade touching the work surface.
- b) Slowly lower the **moving** blade to the surface and proceed to saw downward until the blade penetrates through the workpiece. **Note: This method is only suitable for wood.**



3.5.4. Bevel (angle) cutting

- a) Remove the dust extraction connector as in 3.4.2. and/or dust shield (fig 1.3).
- b) Loosen screw and channel plate (fig 5.F) with hex key (fig 1.4). Push the base forward so that the blade is in the clearance area (fig. 3.b) of the base and then incline to the desired angle as marked on the graduated scale (fig. 5.G). Note that at 45° the base will lock in position if pushed further forward.
- c) Firmly re-tighten screw (fig 5.F).
- d) Refit dust extraction connector, if being used. Note that the dust shield cannot be fitted when the base is angled. Ensure that the workpiece is adequately clamped, especially when cutting at a 45° angle.

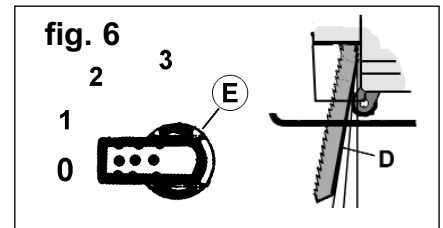


3.5.5. Pendulum cutting (fig. 6)

Pendulum cutting is performed by adjusting the pendulum switch (fig. 1.9 & fig. 6.E). 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 switch (fig. 6.E) is set at "0" the pendulum action is disengaged, 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 numbers 2 and 3.

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 break.

3.6. Cutting metal

Use appropriate lubrication.

To cut in the centre of a workpiece a pilot hole must first be **drilled**. (DO NOT try to use the saw to cut the pilot hole).

4. MAINTENANCE

⚠ WARNING! Ensure the jig saw is switched off and unplugged from the 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 the carbon brushes.

5. DECLARATION OF CONFORMITY

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

Variable Speed Jig Saw Model SJE600.V3

73.23/EEC Low Voltage Directive
89/336/EEC EMC Directive
98/37/EC Machinery Directive



The construction file for this product is held by the manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

A handwritten signature in black ink, appearing to read 'Mark Sweetman'.

14th February 2002

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: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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