

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. PLEASE KEEP INSTRUCTIONS SAFE 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 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 any 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 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 (*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'.**

After wiring, check there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.

Double insulated products are often fitted with live (BROWN) and neutral (BLUE) wires only. Double insulated products are always marked with his 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. Some products require more than a 13 amp electrical supply. In such a case, **NO** plug will be fitted. **You must** contact a qualified electrician to ensure a 30 amp fused supply is available. We recommend you discuss the installation of a industrial round pin plug and socket with your electrician.
- 1.1.11. **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. 1.5mm² section cable is a minimum 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 2.5mm² section cable.

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

1.2 GENERAL SAFETY

- ✓ Familiarise yourself with this products application and limitations, as well as the specific potential hazards peculiar to the saw.
- WARNING!** Disconnect the saw from the mains power before changing accessories, servicing or performing any maintenance.
- ✓ The machine must only be serviced by a qualified person or service agent. Contact your Sealey dealer for information.
- ✓ Permanently mount the saw on a supporting surface strong enough to take the weight of the machine and workpiece during operation.
- ✓ Ensure there is an adequate dust extraction area under the saw. Follow mounting instructions in chapter 3 carefully.
- ✓ Ensure operating area for the saw is adequate, keep area clean & tidy and free from unrelated materials. Ensure there is adequate lighting.
- ✓ Wood dust can be harmful to health by inhalation and skin contact and concentrations of small dust particles in the air can form an explosive mixture. Ensure there is adequate ventilation and that the saw is attached to a dust-extraction unit.
- ✓ Maintain the saw in good condition, check moving parts alignment regularly. Keep saw blades clean & sharp.
- ✓ Replace or repair damaged parts. *Use recommended parts only. Non authorised parts may be dangerous and will invalidate the warranty.*
- WARNING!** Keep all guards and holding screws in place, tight and in good working order. Check regularly for damaged parts. A guard or any other part that is damaged should be checked to ensure that it will operate properly and perform its intended function before the tool is used. The safety guard is a mandatory fitting where the saw is used in premises covered by the Health & Safety at Work Act.
- ✓ Before commencing work, ensure the saw blade is set to cut in the correct direction, securely fastened, sharp and is compatible with the machine, spindle speed, and the material to be cut. Never use saw blade if damaged, bent or warped. Use only recommended saw blades.
- ✓ Remove adjusting keys and wrenches from the machine and its vicinity before turning it on.
- ✓ Machine operators must have received sufficient training and instructions as to the dangers arising in connection with the machine, the precautions to be observed and the requirements of the Wood Working Machines Regulations which apply. Operators must be under the adequate supervision of a person who has a thorough knowledge and experience of the machine and the required guards.
- WARNING!** Wear approved safety eye protection, ear defenders, and if dust is generated respiratory protection.

- ✓ Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and contain long hair.
- ✓ Keep hands and body clear of the work table when operating the saw.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non slip shoes.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Avoid unintentional starting and never leave the saw operating whilst unattended.
- ✓ DO NOT force the saw to achieve a task it was not designed to perform, and ensure operators are trained to use the saw.
- ✗ DO NOT get the saw wet or use in damp or wet locations or areas where there is condensation.
- ✗ DO NOT use saw where there is flammable liquids, solids or gases such as paint solvents, including waste wiping or cleaning rags etc.
- ✗ DO NOT operate the saw if any parts are damaged or missing as this may cause failure or possible personal injury.
- ✗ DO NOT operate the saw when you are tired, under the influence of alcohol, drugs or intoxicating medication.

1.3. SPECIFIC SAW SAFETY RULES

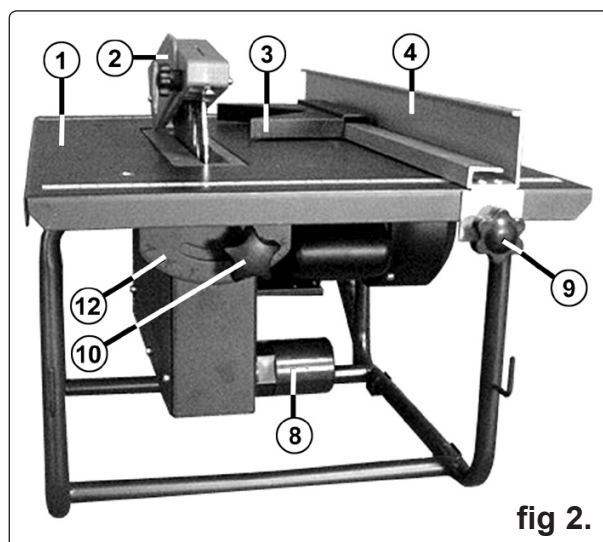
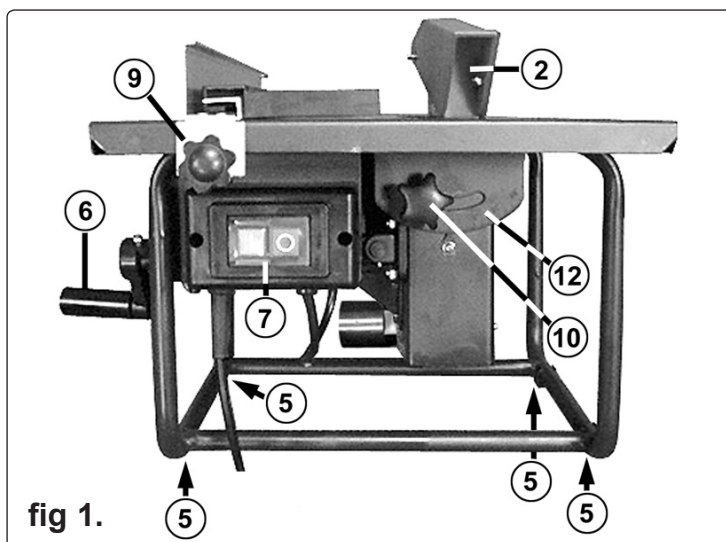
- ✓ Remove sawdust frequently. Unplug from mains power. Clean out sawdust from interior of saw to prevent potential fire hazard.
- ✓ Keep riving knife and guard in place and operational, and replace table insert when worn.
- ✓ Do not fit any other type of saw blade other than the type supplied with the machine.
- ☐ **WARNING!** Before each use, check that the saw blade is secure and not worn or damaged.
- ✓ Use the guard and riving knife on all "through-sawing" operations. Through-sawing operations are those when the blade cuts completely through the workpiece as in ripping or cross-cutting.
- ✓ Check workpiece to ensure there are no nails or other items which may foul on the saw blade.
- ✓ Hold the work firmly against the mitre block or fence.
- ✓ Only feed the workpiece into the blade against the rotation of the blade.
- ✓ Avoid subjecting the saw blade to excessive strain, never force a workpiece. Maintain a controlled adequate progression.
- ✓ Should the saw blade jam switch the power off immediately to prevent damage to the motor.
- ✓ TO AVOID WORKPIECE "KICKBACK" (When a workpiece is violently thrown back toward yourself).
 - a) *Keep the blade sharp.*
 - b) *Keep rip fence parallel to the saw blade.*
 - c) *DO NOT release the workpiece before it is pushed all the way past the saw blade.*
 - d) *DO NOT rip work that is twisted or warped or does not have a straight edge to guide along the fence.*
- ✓ Use the push stick for ripping narrow stock. Refer to ripping applications and to the use of push stick in Section 5.3.
- ✓ Provide adequate support to the rear and sides of the saw table for wide or long workpieces.
- ✗ DO NOT use your hands alone to guide the workpiece unless the workpiece is too large to use the guides provided. Otherwise, hold the work firmly against the mitre or fence to guide work through the saw.
- ✗ DO NOT place yourself in an awkward operating position where a sudden slip could cause your hand to move into the cutting blade.
- ✗ DO NOT stand or have any part of your body in line with the path of the saw blade, and keep your hands out of the line of the saw blade.
- ✗ DO NOT use the fence as a cut-off gauge when cross-cutting.
- ✗ DO NOT hold what will become the off-cut (the waste part of workpiece).
- ☐ **WARNING!** DO NOT reach behind or over the saw blade with your hand or arms.
- ☐ **WARNING!** DO NOT attempt to free a jammed saw blade without first switching off or removing the plug from the mains power supply.
- ✗ DO NOT cut metal materials, and substances that may produce toxic dust. Saw must only be used to cut wood or wood type substances.
- ✗ DO NOT use solvents to clean plastic parts which may damage them. Use a soft damp cloth only.
- ✓ Store blades in a safe, dry childproof location.
- ✓ When not in use switch the saw off, remove plug from the power supply.

2. INTRODUCTION & DESCRIPTION

TABLE SAW Model No. HST8

Fully approved to CE regulations this hobby saw offers a good range of features at an affordable price. Powerful 600watt motor for accurate cutting at 90° or angles up to 45°.

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Support table. 2. Blade guard with riving knife. 3. Mitre block. 4. Rip fence/cutting guide. 5. Mounting base holes. 6. Blade tilt handle. 7. On/Off switch. | <ol style="list-style-type: none"> 8. Dust extraction port. 9. Rip fence locking knobs (2) 10. Blade tilt locking knobs (2) 11. Push stick (see fig.7) 12. Blade tilt scale |
|---|--|



3. SPECIFICATIONS & ASSEMBLY

Table Size	500 x 335mm
Dust extraction Ø	int.35mm,ext.40mm
Sound power level	85.3 dB(A)
Sound Pressure level	72.3 dB(A)
Input voltage	230V - 50Hz
Motor power	600watts

Saw Blade Ø	200mm
Arbor Ø	16mm
No load speed	2950rpm
Max Depth of 90° cut	42mm
Max Depth of 45° cut	25mm
Duty cycle	30mins

3.1 MOUNTING THE SAW. If the saw is to be bolted to a workbench you should ensure that it is in the most convenient position for use with sufficient clearance from nearby walls and other features to allow you to handle and cut the largest pieces of sheet and timber you require.

3.1.1 If the saw is not to be permanently fixed in one location it should be mounted to a stout piece of board in order to give the saw stability in operation. The board should be not less than 450 x 600mm and be at least 15mm thick. To mount the saw, drill four 5mm holes at the dimensions shown shown in fig.A. or place the saw onto the board and mark the fixing positions through the mounting holes.

3.1.2 Use 4mm bolts to fix the saw to the board. Tighten the bolts progressively to avoid distorting the saw frame. Do not over tighten the bolts. Before using the saw ensure that it is securely clamped to a strong workbench with at least two 'G'cramps. Check that these remain tight at all times whilst using the saw. Ensure that the work area has adequate lighting.

☐ WARNING! ENSURE THE SAW IS NOT CONNECTED TO THE MAINS POWER BEFORE COMMENCING ASSEMBLY.

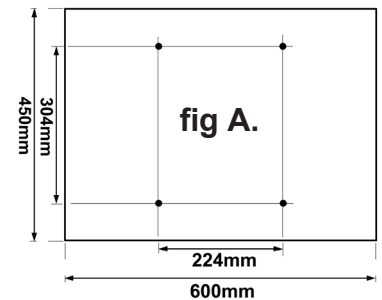
3.2 Rip fence assembly and adjustment. (See fig.2 item 4) The saw is supplied with a rip fence cutting guide which is essential to achieve a straight cut when cutting in the same direction as the grain of the wood.

3.2.1 To assemble the fence to the support table first loosen the clamps at either end of the fence by turning the clamping knobs (See item 9 in figs.1 & 2) anticlockwise. The fence can be positioned on either side of the blade to suit the size and width of the timber being cut.

3.2.2 Place the guide at one side of the table, parallel to the blade, and slide the clamps onto the table so that the loose part of each clamp is on the inside of the front and back edges of the table.

3.2.3 Position the guide at the required distance from the blade using the two scales inset into the surface of the table. Each end of the guide must be set on the scale at the same distance from the surface of the blade. This is essential to ensure that the guide is parallel to the blade. Double check this before proceeding to cut.

3.3 Mitre block. A mitre block is supplied to aid cutting at 90° and 45° to the blade. When required the mitre block should slide onto the lower part of the rip fence guide as shown in fig.2 item 3.



4. ADJUSTMENT & SETTINGS

☐ WARNING! ensure saw is switched off & disconnect from the mains power before making adjustments or setting saw.

4.1 ON/OFF SWITCH (See fig.1 item 7)

For normal operation push the "I" button for ON and the "0" for OFF. The saw is fitted with an ON/OFF switch of the 'no volt release' type. This means that if the power fails or is disconnected whilst the machine is in use, the machine will not restart automatically when the power is restored. In this situation it will be necessary to restart the saw by pressing the "I" for ON button again.

4.2 DUST EXTRACTION PORT.

☐ WARNING! Wood dust can be harmful to health by inhalation and skin contact and concentrations of small dust particles in the air can form an explosive mixture. Ensure there is adequate ventilation.

The saw is fitted with a dust extraction port (See fig.2 item 8). For safe operation we recommend that a suitable dust extraction device or vacuum cleaner is connected during operation. Never allow an excess of sawdust to accumulate on the saw, especially around the motor.

☐ WARNING! Excessive sawdust build up around the motor could possibly ignite causing injury to yourself and damage to the saw and its surroundings.

4.3 BLADE GUARD (See figs.1&2 item 2)

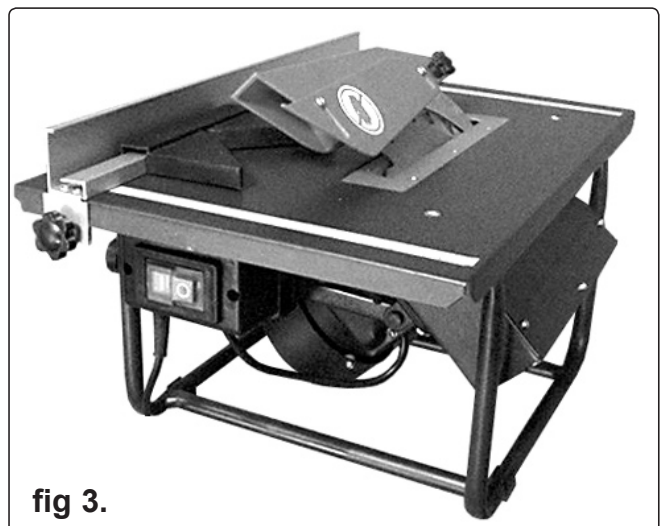
☐ WARNING! Ensure saw is switched off & disconnected from the mains power before making any adjustments.

The blade guard is designed to be self closing. When not in use the front edge of the guard should be resting on the table. As the workpiece is pushed towards the blade the sloping front edges of the guard will ride up and over the workpiece. As the workpiece moves past the blade the guard will drop down again. (The guard retaining knob should not be done up tight as this would restrict the automatic movement of the guard). On the right hand side of the guard there is a sliding plate which offers additional protection when the blade is tilted (See fig.3)

☐ WARNING! The blade guard must be in place during all cutting operations. The saw is not designed to produce through grooves, stopped grooves or rebating. Do not attempt to modify or adapt the saw in any way or use any other manufacturers accessories.

4.4 BLADE TILT CONTROL

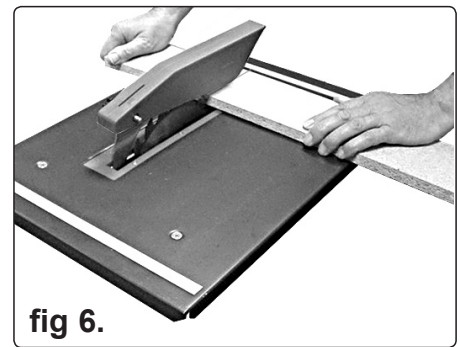
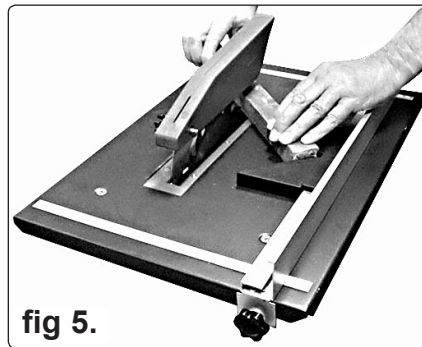
The blade can be tilted to cut any angle up to 45° for both rip and cross cutting. Firstly loosen the two blade tilt locking knobs. (See figs.1&2 item 10) To tilt the blade begin to wind the blade tilt handle (See fig.1 item 6) anticlockwise until the blade reaches the desired angle which can be read from the angle scales adjacent to each locking knob. Then re-tighten both locking knobs. See tilted blade in fig.3.



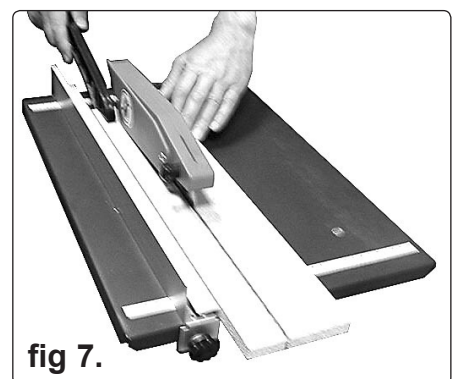
5. OPERATING INSTRUCTIONS

WARNING! As with all power tools, there are potential hazards involved with the operation and use of this saw. It is therefore vital to ensure you have read, understood and apply all the safety instructions in chapter 1. Familiarise yourself again with the specific saw safety rules for each step of the following operation. Failure to do so may cause serious damage or personal injury and may invalidate your warranty. Disconnect the saw from the mains power before adjusting or setting accessories. Ensure all locks, bolt, and nuts are secure and the blade is in good condition and correctly positioned. ALWAYS USE the saw guard in down position before turning the saw blade on. Wear approved safety eye protection.

- 5.1 **DUTY CYCLE.** To prolong the service life of the machine always rest the saw for ten minutes after every 30 minutes of continuous use.
- 5.2 **KICKBACK.** Kickback is when a workpiece is violently thrown back toward yourself. This effect can generally be avoided by observing the following points.
- a) Keep the blade sharp.
 - b) Keep rip fence parallel to the saw blade.
 - c) DO NOT release the workpiece before it is pushed all the way past the saw blade.
 - d) DO NOT rip work that is twisted or warped or does not have a straight edge to guide along the fence.
 - e) Ensure that the riving knife is always in line with the blade. (See section 6.4)
- 5.3. **CROSS CUTTING**
DO NOT stand or have any part of your body in line with the path of the saw blade, and keep your hands out of the line of the saw blade.
- 5.3.1 Clearly mark out the wood to be cut.
- 5.3.2 When you have completed the cross cut, the waste off-cut will be un-supported and may remain on the saw table, or may fall from the table. Before starting therefore, consider how you will handle the off-cut.
- 5.3.3 When cross cutting shorter lengths of wood the mitre block can be employed to control cuts at 90° to the blade (See fig.4) and 45° to the blade (See fig.5). (The mitre block can only be used on the left side of the blade).
- ☐ **WARNING!** When using the mitre block, the rip fence guide should not be used as a length cutting gauge. Therefore the distance from the blade to the rip fence guide should be at least 8mm longer than the length of timber to be cut. Ensure that the rip fence is parallel to the blade and firmly clamped at each end.
- 5.3.4 Slide the mitre block onto the lower part of the rip fence guide as shown in fig.2 item 3. Place the workpiece against the mitre block and align the marked out line on the wood with the 'O' mark on the scale at the front edge of the table. Advance both the block and the workpiece towards the saw blade until it makes contact with the blade guard.
- 5.3.5 Plug the saw into the mains power supply and switch the saw on.
- 5.3.6 Slowly move the workpiece forward so that the blade guard rises and the workpiece moves into the rotating blade. Continue holding work firmly whilst passing it completely through blade and the piece is cut in two.
- 5.3.7 Before drawing the workpiece back towards yourself, move it slightly to the side so that it is clear of the saw blade.
- ☐ **WARNING!** DO NOT attempt to pick up a short off-cut before the saw blade has completely stopped.
- 5.3.8 If the workpiece overhangs the table remove the rip fence and mitre block and proceed as shown in fig.6. As previously stated, consideration of how to handle larger workpieces and the off cuts should be given before commencing cutting. The marked out line on the workpiece should be carefully aligned with the blade before switching on.
- 5.3.9 Switch on the saw and move the workpiece under the blade guard and slowly and evenly into the rotating blade keeping an eye on the alignment between the blade and the line marked on the timber. **Once the blade begins to cut into the timber the cut becomes self aligning with the blade and on no account should you try to alter the line of cut.** Proceed with slow, even pressure allowing the blade to do the cutting until the cut is complete.



- 5.4. **RIP SAWING.**
- ☐ **WARNING!** The same safety precautions apply as stated at the beginning of chapter 5.
- Ripping is when a board or similar workpiece is held against the rip fence and cut along the length (See fig.7). The fence is used to position and guide the workpiece through the saw. The workpiece is laid flat on the saw table with one edge held tightly against the rip fence. Behind the blade is the riving knife which prevents the saw cut from closing and binding on the blade. Proceed as follows:
- 5.4.1. Fit the rip fence at the required width of cut from the blade and tighten the clamp at each end ensuring that the rip fence is parallel to the blade.
- 5.4.2. Before starting consider how you will handle the workpiece and the off-cut when ripping is complete. Depending on the size and type of work, off-cuts and work may remain on the table, or, tilt up slightly and be caught by the rear end of the blade guard, or, fall to the floor. We recommend a support is provided at the rear of the saw table to keep the work and off-cut from falling. Alternatively the feed may continue to the end of the table, after which the workpiece may be lifted and brought back along the outside edge of the fence back towards yourself. Off-cuts that remain on the table must not be touched until the saw blade has completely stopped.
- 5.4.3. Check all is ready and blade guard is down. Plug saw into the mains power supply and switch on.



5.4.4. Ripping a workpiece more than 100mm (4") wide.

DO NOT stand or have any part of your body in line with the path of the saw blade, and keep your hands out of the line of the saw blade.

a) Hold the workpiece firmly against the fence and the table and feed the work under the blade guard.

b) Continue holding the work firmly with both hands pushing it along the fence and into the saw blade (fig.6).

c) Continue to gradually feed the workpiece through the saw blade keeping your hands away from the blade guard.

d) Pass the work completely through the saw blade and to the rear of the saw table.

e) Once the cut is complete handle the workpiece and off-cut according to 5.2.2.

5.4.5. Ripping a workpiece less than 100mm (4") wide.

If work is less than 100mm wide, use a push stick to feed work forward (See fig.7).

6. MAINTENANCE

- ❑ **WARNING!** Disconnect the saw from the mains power before changing accessories, servicing or performing any maintenance.

6.1 AFTER EACH USE

Saw dust must be removed from the machine. If a dust extraction device has not been used remove the side cover from the blade and use a vacuum cleaner to ensure that all dust has been removed.

6.2 BLADE INSPECTION

ENSURE SAW IS DISCONNECTED FROM THE MAINS POWER SUPPLY

Inspect the blade before and after each use. If the blade is blunt or damaged in any way fit a new blade of the correct size and type.

6.3 TO CHANGE THE BLADE

ENSURE SAW IS DISCONNECTED FROM THE MAINS POWER SUPPLY

6.3.1 To change the blade it will be necessary to remove the cover from the blade housing below the table. Undo the five retaining screws and lift off the cover.

6.3.2 Place a piece of wood onto the front of the table and slide it under one of the blade teeth as shown in fig.8. Place a spanner onto the retaining nut and loosen it in an anticlockwise direction. Remove the nut and the outer flange.

6.3.3 Wear protective gloves when handling the blade. Angle the bottom edge of the blade outwards and remove the blade in a downwards direction.

6.3.4 Insert the new blade ensuring that the teeth face downwards when viewed from the front of the table. Replace the outer flange and nut. Hold the blade firmly with your gloved hand whilst tightening the centre nut.

6.3.5 Place the cover on the blade housing and fix it with the five retaining screws.

6.4 CHECKING THE ALIGNMENT OF THE RIVING KNIFE

6.4.1 The riving knife should always be directly in line with the blade and spaced away from it by 2 to 5mm. Check the alignment on a regular basis and adjust if necessary.

6.4.2 To adjust both the alignment with the blade and the distance from it, remove the table insert by undoing the six screws holding it in place and lift off.

6.4.3 Slacken the two screws indicated in fig.9 until the knife is only just loose and slide it forwards or backwards to set the distance between the knife and the blade. Then place a straight edge alternately either side of the blade to check that the knife is in alignment. (Rest the straight edge on the surface of the blade without it coming into contact with the teeth tips.) Adjust if necessary and then lightly tighten the screws. Recheck the alignment and when satisfied fully tighten.

6.4.4 Replace the table insert and fix in place with the six screws.

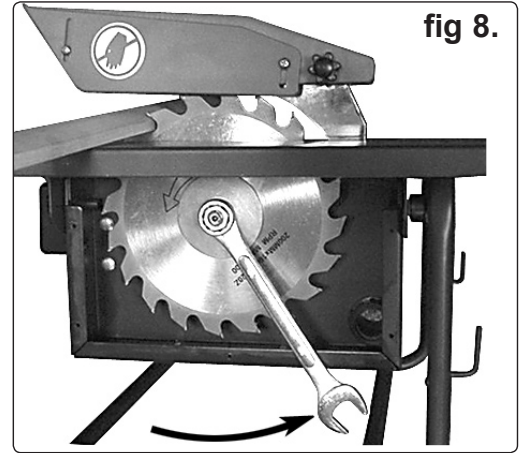


fig 8.

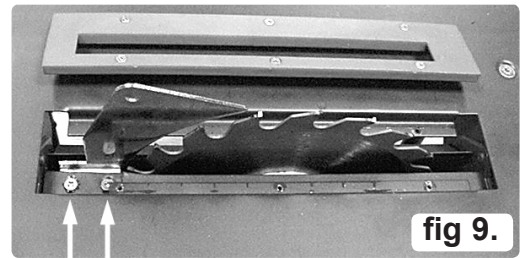


fig 9.

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.



Sole UK Distributor, Sealey Group,
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk,
IP32 7AR

☎ 01284 757500

🌐 www.sealey.co.uk

📠 01284 703534

✉ sales@sealey.co.uk