



## INSTRUCTIONS FOR

# TABLE SAW 254MM 1500W 220-240V

MODEL NO: **TS10P**

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 & CAUTIONS. USE THE 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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear protective gloves



Wear eye protection



Wear face mask



Wear ear protection

## 1. SAFETY

### 1.1. ELECTRICAL SAFETY

**WARNING!** It is the responsibility of the owner and the operator to read, understand and comply with the following:

You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a competent 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 that all portable electrical appliances, if used on business premises, are tested by a competent electrician, using a Portable Appliance Tester (PAT), on a regular basis.

1.1.2. The **Health & Safety at Work Act 1974** makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt any doubt about electrical safety, contact a competent electrician.

1.1.3. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply. See 1.1.1. and 1.1.2. and use a Portable Appliance Tester.

1.1.4. Ensure that cables are always protected against short circuit and overload.

1.1.5. Inspect power supply cables and plugs for wear or damage regularly and check all connections to ensure that none is loose.

1.1.6. **IMPORTANT:** Ensure that the voltage marked on the appliance matches the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating at right.

1.1.7. **DO NOT** pull the plug from the socket by the cable.

1.1.8. **DO NOT** use worn or damaged cables, plugs or connectors. Have any faulty item repaired or replaced immediately by a competent electrician. When a BS1363/A UK 3 pin plug is damaged, cut the cable just above the plug and dispose of the plug safely.

Fit a new plug according to the following instructions (UK only).

a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.

b) Connect the BROWN live wire to the live terminal 'L'.

c) Connect the BLUE neutral wire to the neutral terminal 'N'.

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

1.1.9. If an extension reel is used it should be unwound fully before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm<sup>2</sup>, but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm<sup>2</sup> section cable. If an extension reel is to be used outdoors, ensure it is marked for outdoor use.

### 1.2. GENERAL SAFETY

✓ Familiarise yourself with the applications, limitations and potential hazards of the saw.

☐ **WARNING!** Disconnect the saw from the electric supply before changing accessories, servicing or performing any maintenance.

✓ The machine must only be serviced by a competent person or service agent. Contact your Sealey dealer for information.

✓ Select a work area suitable for the saw and keep the area clean, tidy and free from unrelated materials. Ensure that there is adequate lighting.

✓ Stand the saw on a stable floor strong enough to take the weight of the machine and workpiece.

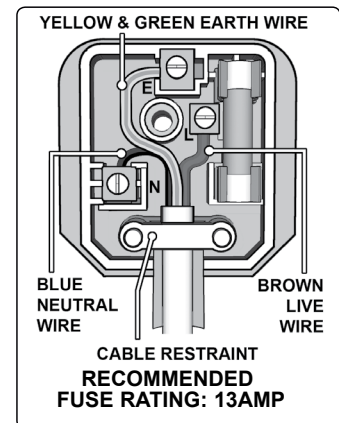
✓ Wood dust can be harmful to health by inhalation and skin contact and concentrations of small dust particles in the air can form an explosive mixture. Ensure that there is adequate ventilation and that the saw is attached to a dust-extraction unit.

✓ Maintain the saw in good condition, check moving parts alignment regularly. Keep saw blades clean and sharp.

✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.

☐ **WARNING!** Keep all guards in place and in good working order. Check regularly for damaged parts. A guard, or any other part, that is damaged must be repaired or replaced before the saw is next used. The safety guard is a mandatory fitting where the saw is used on premises covered by the Health & Safety at Work Act.

✓ Before commencing work, ensure that 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 a saw blade if damaged, bent or warped. Use only recommended saw blades.

- ✓ Remove adjusting keys and wrenches from the machine and the vicinity before switching on.
- ✓ Machine operators must have received sufficient training and instructions relating to the dangers associated with the machine, the precautions to be observed and those requirements of the Wood Working Machines Regulations which apply. Inexperienced operators must be under the adequate supervision of a person who has a thorough knowledge and experience of the machine and the required guards.
- ✗ **DO NOT** operate the saw if any parts are damaged or missing as this may cause product failure and/or personal injury.
- ✗ **DO NOT** operate the saw when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use, switch off the saw and unplug from the power supply.
- ☐ **WARNING!** Wear approved safety eye protection, ear defenders and 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 blade 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 work area.
- ✓ Avoid unintentional starting and never leave the saw operating unattended.
- ✗ **DO NOT** use the saw for a task it is not designed to perform and ensure that 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 the saw where there are flammable liquids, solids or gases such as paint solvents and including waste cleaning rags etc.

### 1.3. SPECIFIC SAW SAFETY RULES

- ✓ Connect to a suitable extraction system. Failure to do so will result in the build-up of sawdust which will become a fire hazard.
- ✓ Keep riving knife and blade guard in place and operational, and replace table insert when worn.
- ✓ Ensure that the saw blade is suitable for the material to be cut.
- ☐ **WARNING!** Before each use, check that the saw blade is secure and not worn or damaged.
- ✓ Make sure that the saw table is clear of tools, waste wood etc. before starting the saw.
- ✓ Make sure that the blade is not touching the guard, riving knife or workpiece before starting the saw.
- ✓ Use the blade guard for all “through-sawing” operations. Through-sawing operations are those where the blade cuts through the workpiece completely as in ripping or cross-cutting.
- ✓ Check workpiece to ensure that there are no nails or other items which may foul the saw blade.
- ✓ Hold the work firmly against the fence bar.
- ✓ Only feed the workpiece into the blade against the rotation of the blade.
- ✓ Avoid subjecting the saw blade to excessive strain - never force the workpiece. Maintain a controlled, steady progression.
- ✓ Should the saw blade jam, switch the power off immediately to prevent damage to the motor.
- ✓ To avoid “kickback” (when a workpiece is violently thrown back towards the operator) implement the following:
  - a) Keep the blade sharp.
  - b) Keep the 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 a push stick for ripping narrow workpieces.
- ✓ Provide adequate support to the rear and sides of the saw table for long or wide workpieces.
- ✗ **DO NOT** use your hands alone (“free-hand”) to guide the workpiece. Hold work firmly against the fence bar to guide work through the saw.
- ✗ **DO NOT** place yourself in an awkward operating position where a slip could cause your hand to move into the blade.
- ✗ **DO NOT** stand, or have any part of your body, in line with the path 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 the workpiece).
- ✗ **DO NOT** attempt to cut more than one workpiece, stacked vertically or horizontally.
- ✗ **DO NOT** attempt to remove waste material whilst the saw is running.
- ☐ **WARNING! DO NOT** reach behind or over the saw blade.
- ☐ **WARNING! DO NOT** attempt to free a jammed saw blade without first switching off and removing the plug from the electric power supply.
- ✗ **DO NOT** cut metals or substances that may produce toxic dust. Saw must only be used to cut wood or wood derived materials.
- ✗ **DO NOT** attempt to cut round section wood.
- ✗ **DO NOT** use solvents to clean plastic parts. Use a soft damp cloth only.
- ✓ Store saw and blades in a safe, dry childproof location.

## 2. INTRODUCTION

Powder coated aluminium table with one rear and two side extension tables. Supplied with 40 tooth TCT blade and 1500W motor with electric brake feature. Adjustable blade height and tilt, up to 45°. Fitted with circuit breaker reset switch. Includes quick lock rip-fence with magnifying view finder, mitre gauge, dust extraction port, push stick and sturdy metal stand. Fitted with BS approved 13Amp plug.

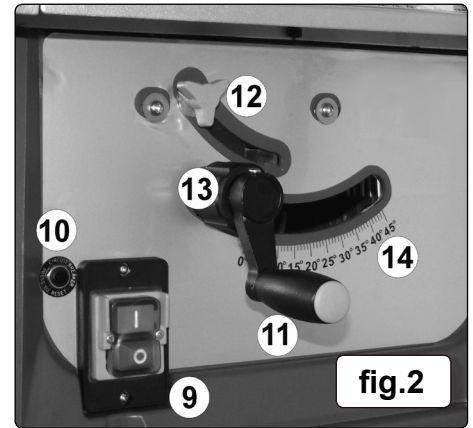
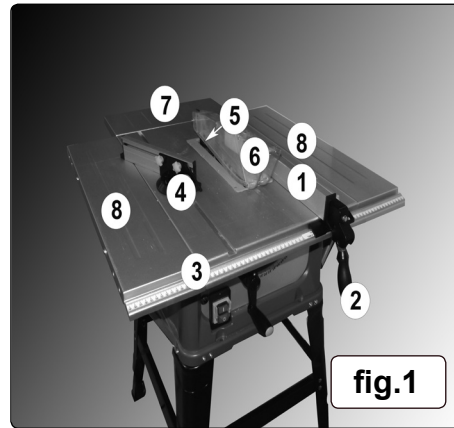
## 3. SPECIFICATION

Model No: .....	<b>TS10P</b>
Motor Power: .....	1500W, 220-240V
Saw Blade Ø: .....	254mm
Arbor Ø: .....	16mm
No Load Speed: .....	4500rpm
Maximum Depth of 90° Cut: .....	80mm
Maximum Depth of 45° Cut: .....	55mm
Table Size (W x D): .....	430 x 638mm
Table Extension Sizes (W x D)	
Side (x2): .....	638 x 150mm
Rear: .....	430 x 180mm
Dust Extraction ID/OD: .....	21/31mm



## Key to Figs. 1 & 2

- 1 Rip Fence
- 2 Rip Fence Lock
- 3 Rip Fence Rule
- 4 Mitre Guide
- 5 Riving Knife
- 6 Blade Guard
- 7 Rear Table Extension
- 8 Side Table Extension (x2)
- 9 On/Off Switch
- 10 Reset Button
- 11 Blade Depth Adjustment
- 12 Bevel Lock
- 13 Bevel Adjustment
- 14 Bevel Scale



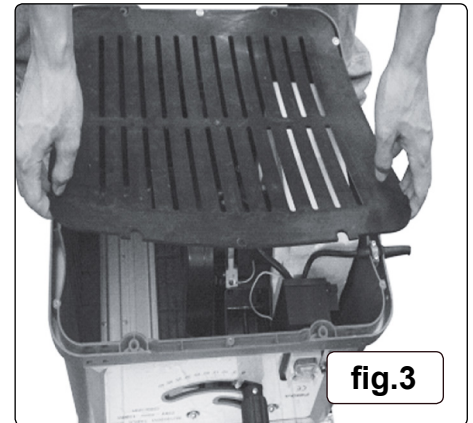
## 4. ASSEMBLY

### 4.1. Frame Assembly

- 4.1.1. Take two legs and fix together loosely using a brace and included M6 fixings.
- 4.1.2. Repeat with the other two legs.
- 4.1.3. Connect the two sides together with the remaining two braces.
- 4.1.4. Tighten all fixings to ensure that the stand is rigid.
- 4.1.5. Fit a rubber foot to each leg.

### 4.2. Removing Transit Packing

- 4.2.1. Place the saw table on a protective covering on the floor.
- 4.2.2. Remove the bottom safety cover (fig.3).
- 4.2.3. Unlock the blade tilt using the bevel lock (fig.2.12).
- 4.2.4. Tilt the blade using the bevel adjustment.
- 4.2.5. Wearing protective gloves, remove the foam transit packing from the motor.
- 4.2.6. Replace the safety cover.



### 4.3. Connecting the Extension Tables

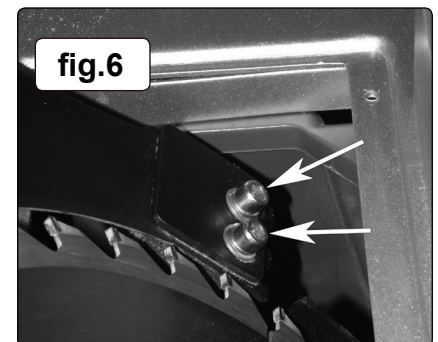
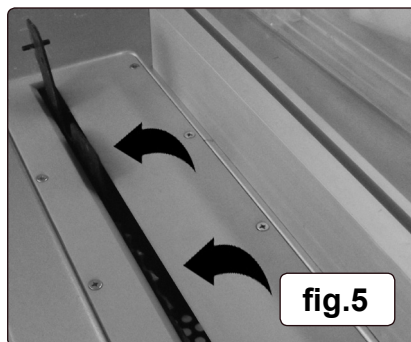
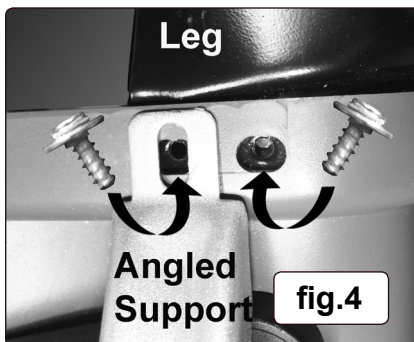
- 4.3.1. Whilst the saw is inverted, it will be easier to fit the extension tables (figs.1.7 & 1.8).
- 4.3.2. Offer the extension tables up to the edge of the main table and secure by inserting the captive bolts through the edge of the main saw table and securing with washers and nuts.
- 4.3.3. Fasten the angled supports to the inside of the extension table.
- 4.3.4. Place the assembled stand into the upturned saw table assembly.
- 4.3.5. Secure the angled supports by inserting screws with washers through the end of the support and the saw base into the leg (fig.4).
- 4.3.6. Insert screws and washers into the remaining leg fixing holes and tighten all the fixings.
- 4.3.7. Turn the saw the correct way up (this is achieved more safely by two persons).

### 4.4. Fitting the Blade Depth Adjustment Handle

- 4.4.1. Fit the handle to the shaft and secure using the set screw.

### 4.5. Fitting the Riving Knife

- ☐ **WARNING!** Wear protective gloves before entering the vicinity of the saw blade.
- 4.5.1. To fit the riving knife (fig.1.5), first remove the table insert by unfastening the 8 countersunk screws. (fig.5).
- 4.5.2. Wind the saw blade to its maximum height by turning the blade depth adjustment in an anticlockwise direction.
- 4.5.3. When fully raised, loosen the bevel lock (fig.2.12) and, using the bevel adjustment (fig.2.13), lay the saw blade over to 45°.
- 4.5.4. Fit the riving knife to the saw blade assembly using the 2 hex screws (fig.6).
- 4.5.5. Put the saw blade back to 0° and lock in place.
- 4.5.6. Wind the saw blade back to its minimum height and refit the table insert.



### 4.6. Fitting the Blade Guard

- 4.6.1. To fit the blade guard (fig.1.6), place the guard so that the M10 bolt passes through it and the hole in the riving knife (fig.7) and then screwing into the threaded portion beyond.
- 4.6.2. When the bolt is fully home, turn the locking nut onto the exposed thread to lock.

#### 4.7. Rip Fence and Mitre Guide

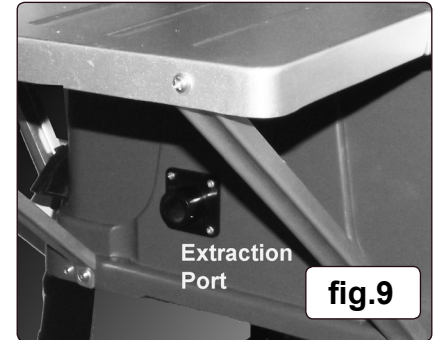
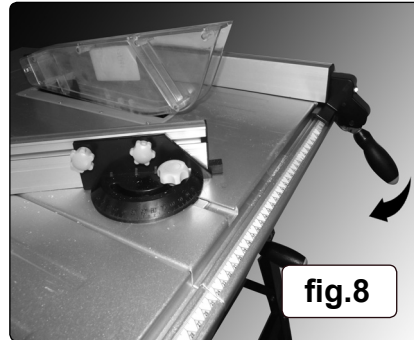
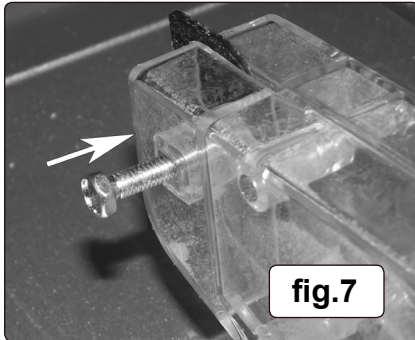
- 4.7.1. Install the rip fence by locating it in the channel at the base of the table.
- 4.7.2. The fence locks in place by pressing the handle downwards (fig.8)
- 4.7.3. To set the fence, set the cursor in the glass to the right of the handle against the scale.
- 4.7.4. The mitre guide locates in either of the channels pressed into the base. Adjust the length of the fence by loosening the 2 lock screws and slide to the required length before tightening the screws.
- 4.7.5. Set the angle by loosening the angle lock, measuring the required angle against the protractor and tightening the angle lock.

#### 4.8. Dust Extraction

- 4.8.1. It is recommended that a commercial vacuum cleaner is used to provide dust extraction for this saw table.
- 4.8.2. An extraction port is provided to the rear of the machine (fig.9). Coupling a suitable vacuum cleaner via a suitable adaptor will help keep the work area clean and reduce airborne dust.

#### 4.9. Push Stick

- 4.9.1. The push stick (supplied) may be mounted on the side of the machine when not in use. The clip should be fastened to the side of the machine using 2 screws provided.



## 5. OPERATION

#### 5.1. Switching On and Off

- ❑ **WARNING!** Ensure that the saw table is clear of debris and tools before operating the saw.
- 5.1.1. Connect the machine to the electric supply.
- 5.1.2. Switch on by means of the "On" (I) switch and allow to run up to speed before use.
- 5.1.3. Switch off by pressing the "Off" (O) switch. This stands proud of the switch casing for emergency use.
- 5.1.4. The saw is fitted with a no-voltage-release switch: if the electric supply fails whilst the machine is running, it will not restart until the "On" switch is pressed.
- 5.1.5. The saw is fitted with an overload circuit breaker. Should this trip, wait until the motor has cooled down and press the reset button (fig.2.10) to reset the circuit breaker.

#### 5.2. Blade Adjustment

- 5.2.1. To adjust the depth of cut, wind the blade depth adjustment (fig.2.11) anticlockwise to increase and vice-versa.
- 5.2.2. To adjust the blade angle, wind the blade up fully as in 5.2.1. and loosen the bevel lock (fig.2.12) and adjust the angle by turning the bevel adjustment (fig.2.13). The angle set can be read from the bevel scale (fig.2.14).
- 5.2.3. When the required angle has been set, tighten the bevel lock.

#### 5.3. Making Longitudinal Cuts

- IMPORTANT!** After each new adjustment it is advisable to carry out a trial cut in order to check the set dimensions. After switching on the saw, wait for the blade to reach its maximum speed of rotation before commencing a cut. Take extra care when starting a cut.
- 5.3.1. Longitudinal cuts involve cutting through a workpiece along its full length.
- 5.3.2. One edge of the workpiece is pressed against the rip fence while its flat side rests on the table top.
- 5.3.3. The saw blade guard must always be in place and be adjusted to cover the workpiece.
- 5.3.4. When making longitudinal cuts, always stand to one side of the cutting line.
- 5.3.5. Set the rip fence to suit the required width using the rip fence rule (fig.1.3) at the front of the table.
- 5.3.6. Switch on the saw.
- 5.3.7. With fingers together, place hands flat on the workpiece and push it along the fence into the saw blade.
- 5.3.8. Guide the workpiece at the side with your left hand only as far as the front edge of the guard hood.
- 5.3.9. Always push the workpiece through to the end of the riving knife.
- 5.3.10. Leave the offcuts on the saw table until the saw blade has stopped.
- 5.3.11. Secure a long workpiece against sagging at the end of the cutting operation by using a roller stand such as Sealey part no: RS5 or similar.
- 5.3.12. Use the push stick for guiding the workpiece if hand gets to within 125mm of the saw blade.

#### 5.4. Cutting a Narrow Workpiece

- 5.4.1. Longitudinal cuts in a workpiece smaller than 125mm width must always be made with the help of the push stick.
- 5.4.2. Longitudinal cuts in an extremely narrow workpiece with a width of 30mm or less must always be made with the help of a push block. A push block can be made from an offcut piece of wood.

#### 5.5. Making Bevel Cuts

- 5.5.1. Always use the fence when cutting bevels.
- 5.5.2. Set the saw blade to the required angle as in 5.2.2.
- 5.5.3. Set the fence to suit the width of the workpiece.

- 5.5.4. Carry out the cut in accordance with the workpiece width.
- 5.5.5. Use the push stick for guiding the workpiece if hand gets to within 125mm of the saw blade.

**5.6. Using the Mitre Gauge and making cross cuts**

- 5.6.1. Slide the mitre gauge (fig.1.4) into one of the two slots on the saw table top .
- 5.6.2. Slacken the knurled knob on the mitre gauge, adjust mitre gauge until the arrow points to the required angle, tighten the knurled knob.
- 5.6.3. Press the workpiece firmly against the mitre gauge and switch on the saw.
- 5.6.4. Push the mitre gauge and the workpiece together towards the saw blade in order to make the cut.  
**IMPORTANT:** Always hold the guided part of the workpiece. Never hold the part of the workpiece that will become the off-cut.
- 5.6.5. Always push the mitre gauge far enough forward for the workpiece to be cut through completely.
- 5.6.6. Switch the saw off and wait for the saw blade to stop before removing any off-cuts.

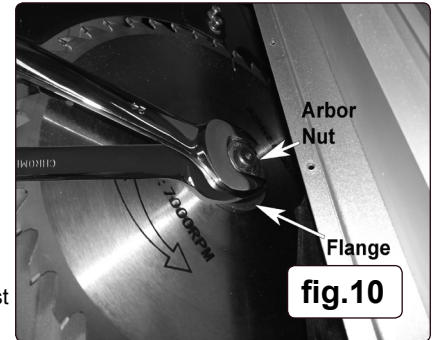
**NOTE:** when making compound cuts (combination of both bevel and cross cut) - use the lower slot for the mitre gauge which prevents hands and the mitre gauge coming into contact with the saw blade.

**IMPORTANT:** Do not push the rip fence too far towards the saw blade. The minimum distance between the rip fence and the saw blade should be 20mm.

**6. MAINTENANCE**

**6.1. Blade Changing**

- ☐ **WARNING!** Wear protective gloves to change the blade.
- 6.1.1. Ensure that the saw is isolated from the electric supply.
- 6.1.2. Remove the blade guard (fig.7) and table insert (fig.5).
- 6.1.3. Raise the blade to its maximum height as in section 5.2.1.
- 6.1.4. Tilt to 45° as in section 5.2.2. and 5.2.3.
- 6.1.5. Using spanners provided, hold the spindle while releasing the arbor nut and flange (Fig.10).
- 6.1.6. Remove the blade and replace with the new blade, making sure that the arrow on the blade corresponds to the direction of the motor rotation.
- 6.1.7. Replace with the new blade, placing the flange on the spindle.
- 6.1.8. Ensure that both flanges are in uniform contact with the blade and secure the arbor nut whilst holding the spindle still.



**6.2. Cleaning**

- 6.2.1. Clean the saw regularly to remove dirt, dust and chippings using a soft brush and cloth. Wear safety glasses whilst brushing away dust and dirt. Keep the air vents unclogged and clean at all times.
- 6.2.2. Clean plastic components with water and a mild detergent, never use caustic or abrasive cleaners. Water must never come into contact with the saw or electrical components.
- 6.3. Lubricate all moving parts at regular intervals.
- 6.4. Regularly check that all the fixing screws are tight. They may vibrate loose over time.
- 6.5. Only an authorised service centre should carry out other repairs.



**WEEE REGULATIONS**

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



**ENVIRONMENT PROTECTION**

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**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 is required for any claim.

**Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR**



01284 757500



01284 703534



sales@sealey.co.uk



www.sealey.co.uk