

# 10" & 12" Sliding Table Saws



200387/600890

User Manual



Axminster Reference No's:  
**AW10BSB2 & AW12BSB2**



[www.axminster.co.uk](http://www.axminster.co.uk)

# Index of Contents...

## Page No.

<i>Index of Contents</i> .....	02
<i>Declaration of Conformity</i> .....	03
<i>What's in the Box Part 1-2-3</i> .....	04-05-06
<i>General Instructions for 230v Machines</i> .....	06-07-08
<i>Specifications</i> .....	08-09
<i>Initial Assembly Instructions</i> .....	09
<i>Assembling the Main Saw Bench</i> .....	10-11
<i>Assembling the Rear Extension Table</i> .....	12
<i>Mounting the First Side Extension Leaf</i> .....	13
<i>Mounting the Slide Rail Assembly</i> .....	13-14
<i>Mounting the Sliding Table</i> .....	14
<i>Mounting the Second Side Extension Leaf</i> .....	14-15
<i>Mounting the Front Guide Rail and Rear Clamping Rail for the Rip Fence</i> .....	15
<i>Setting the Machine Tables</i> .....	16
<i>Setting the Sliding Table</i> .....	16-17
<i>Mounting the Micro-Adjustor to the Rip Fence Mounting Bracket</i> .....	18
<i>Mounting the Sliding Table Fence Assembly</i> .....	18-19
<i>Fitting the Hand Wheels</i> .....	19
<i>Fitting the Switch Shroud</i> .....	20
<i>Fixing the Riving Knife</i> .....	20
<i>Attaching the Saw Hood Guard and the Extraction Hose</i> .....	20-21
<i>Fitting the Small Mitre Fence</i> .....	21
<i>Setting and Checking the Machine</i> .....	22-23
<i>Identification &amp; Description of the Saw Table</i> .....	24-26-28-30-32
<i>Illustration &amp; Parts Description of the Saw</i> .....	25-27-29-31-32



	Page No.
Maintenance.....	33
Changing the Saw Blade.....	34
Specific Instructions/Precautions for the Saw Bench.....	35
Parts List/Breakdown for the 10/12" Saw Table.....	36-37-38-39-40
Notes.....	41-47
Parts List/Breakdown for the 10/12" Saw Table.....	42-43-44-45-46



## SAFETY!!

The symbols shown on the cover of this manual advise that you wear the correct safety protection when using this machine.



### Safety Protection Symbols



## Declaration of Conformity...

### Copied from CE Certificate

The undersigned, F. Nispel authorised  
by Laizhou Fulin Machinery Co., Ltd.  
No. 275 Wenquan East Road Laizhou, Shandong 261400 P.R. China

declares that this product:

**MJ2325A / MJ2325B**

**Table Saw**

manufactured by Laizhou Fulin Machinery Co. is in compliance with  
the following standards or standardisation documents in  
accordance with Council Directives

EN 61000-3-3: 1995+A1

EN 55014-2: 1997+A1

EN 61000-3-2: 2000

EN 55014-1: 2000+A1



**FREEPHONE 0800 371822**

**03**



**Model Number:**

**MJ2325A / MJ2325B**

**Box 1 Saw Body:**

- 1 No.** Saw Table on upper chassis (with motor, table insert, saw blade, NVR switch fitted)
- 2 No.** Extension Table Leaves
- 4 No.** Panels to fabricate the lower base ( 2 long 2 short. ( 1 off short panel has hole cut out to fit dust extraction duct.)

**Packed inside the saw chassis:**

- 1 No.** Adjustable Support Leg (for table extensions) with fixing bolts, nuts and washers
  - 4 No.** Legs
  - 1 No.** Riving Knife
  - 1 No.** Length of 100mm expanding hose
  - 1 No.** 100mm extraction duct with integral 30mm manifold and fixing nuts bolts and washers
  - 1 No.** Top Saw Guard
  - 1 No.** Combined length of 30mm hose
  - 1 No.** Kwick hold down clamp and Tool Post
  - 1 No.** Mitre Fence on bar. (T' function action by screwed on washers)
  - 1 No.** Packet containing: -- Tommy bar and Stamped Spanner (for blade changing)
  - 1 No.** Switch Shroud with securing screws.
  - 2 No.** Engineers Hand Wheels.
  - 1 No.** Length Gauge Stop for slide table fence.
  - 1 No.** Mitre Angle Rear Quadrant for slide table fence (with 2 No. M8 x 20mm caphead bolts) and clamping handle fitted.
  - 2 No.** Height Adjusting Blocks (for slide rail mounting brackets)
  - 2 No.** Rear Extension Table Brackets.
- For assembling main Dust Extraction Hose and Top Guard Hose**
- 1 No. Packet containing :-**
  - 2 No.** 125mm Jubilee Clips
  - 2 No.** 40mm Jubilee Clips



**For assembling Lower Base Legs and Panels, rear extension table**

**Pkt containing:**

**12 No.** M8 x 20mm Hexhead Bolts, Nuts and 2 x Washers (Fixing panels)

**4 No.** M8 x 20mm Caphead Bolts, and Washers (fixing rear table brackets)

**Pkt containing:**

**4 No.** M8 x 20mm Hexhead Bolts, and Washers (fixing rear table to brackets).

**8 No.** M8 x 20mm Hexhead Bolts, nuts and 2 x Washers (fixing legs and panels)

**Pkt containing :**

**2 No.** Clamping Straps (for mounting rear extension table brackets)

**Pkt containing:**

**1 No.** 2.5mm Allen Key

**1 No.** 6mm Allen Key

**1 No.** 5mm Allen Key

**1 No.** 3mm Allen Key

**1 No.** 8mm Allen Key

**1 No.** 4mm Allen Key

**2 No.** 13 mm A/F Spanners

**Box 2 (Fence and Fixings)**

**1 No.** Rip Fence Assembly (Partially assembled)

**1 No.** Rip Fence Front Rail

**1 No.** Rip Fence Rear Clamping Rail

**1 No.** Fence assembly for sliding table with (telescopic extension)

**Pkt containing :**

Micro-adjusting mechanism for rip fence

**Pkt containing:**

**2 No.** Profiled Capping Plates for ends of rip fence mounting bracket

**2 No.** Profiled Capping Plates for ends of front fence rail

**8 No.** 4mm round head self tapping screws



**FREEPHONE 0800 371822**

## What's in the Box Part 3...

### Pkt containing:

- 10 No.** M8 x 25mm Square Head Bolts, nuts and washers (fixing fence rails)
- 4 No.** M8 x 20mm Hex Head Bolts and washers (fixing inner extension leaf)
- 4 No.** M8 x 30mm Hex Head Bolts, nuts and 2 x washers (fixing outer extension leaf)

### Box 3

- 1 No.** Slide Rail assembly for sliding table

### Box 4

- 2 No.** Mounting Brackets for Slide Rail Assembly
- 1 No.** Sliding Table (with Bearing Bogies assembled)
- 1 No.** Rear extension table top
- 1 No.** Manual

## General Instructions for 230v Machines...

### Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.



**WARNING!! KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN**

### Mains Powered Tools

#### Primary Precautions

These machines are supplied with a moulded 13 Amp. Plug and 3 core power cable. Before using the machine inspect the cable and the plug to make sure that neither are damaged. If any damage is visible have the damaged item inspected/repaired by a suitably qualified person. If it is necessary to replace the plug, it is preferable to use an 'unbreakable' type that will resist damage on site. Only use a 13 Amp plug, and make sure the cable clamp is tightened securely. Fuse as required. If extension leads are to be used, carry out the same safety checks on them, and ensure that they are correctly rated to safely supply the current that is required for your machine.



# General Instructions for 230v Machines...

## Work Place/Environment

The machine is not designed for sub-aqua operation, do not use when or where it is liable to get wet. If the machine is to be used outside and it starts to rain (unusual though this would be in U.K.), stop work and move it inside. If machine has got wet; dry it off as soon as possible, with a cloth or paper towel.



**DO NOT** use 230v a.c. powered machines anywhere within a site area that is flooded or puddled, and do not trail extension cables across wet areas.

**Keep** the machine clean; it will enable you to more easily see any damage that may have occurred. Clean the machine with a damp soapy cloth if needs be, do not use any solvents or cleaners, as these may cause damage to any plastic parts or to the electrical components.

**Keep** the work area as uncluttered as is practical, this includes personnel as well as material.



**UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN WORK AREAS**

It is good practice to leave the machine unplugged until work is about to commence, also make sure to unplug the machine when it is not in use, or unattended. Always disconnect by pulling on the plug body and not the cable. Once you are ready to commence work, remove any tools used in the setting operations (if any) and place safely out of the way. Re-connect the machine. It is also recommended that you use switched supply outlets.

Carry out a final check e.g. check the cutting tool, drill bit, saw blade etc., is securely tightened in the machine, check you have the correct speed and function set, check that the cutting path of the timber is unobstructed, etc.,

Most machines these days are fitted with NVR contact switches so that machines cannot remain inadvertently switched 'ON'. However, it is a good habit to train yourself to check that the machine is not 'Switched On' prior to connecting the mains supply. (In case you happen to be using one of the older machines).

Make sure you are comfortable before you start work, balanced, not reaching etc.,

If the work you are carrying out is liable to generate flying grit, dust or chips, wear the appropriate safety clothing, goggles, gloves, masks etc., If the work operation appears to be excessively noisy, wear ear-defenders. If you wear your hair in a long style, wearing a cap, safety helmet, hairnet, even a sweatband, will minimise the possibility of your hair being caught up in the rotating parts of the machine, likewise, consideration should be given to the removal of rings and wristwatches, if these are liable to be a 'snag' hazard. Consideration should also be given to non-slip footwear, etc.

**DO NOT** work with cutting or boring machines of any description if you are tired, your attention is wandering or you are being subjected to distraction. A deep cut, a lost fingertip or worse; is not worth it!



**FREEPHONE 0800 371822**

**DO NOT** use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases. There are very expensive, very specialised machines for working in these areas, **THIS IS NOT ONE OF THEM.**



Check that cutters, drills, blades etc., are the correct type and size, are undamaged and are kept clean and sharp, this will maintain their operating performance and lessen the loading on the machine.

If possible always fit dust extraction to machines that are producing high rates of sawdust, shavings, chips etc.

Above all, **OBSERVE....** make sure you know what is happening around you, and **USE YOUR COMMON SENSE.**

**REMEMBER, YOU ARE ULTIMATELY RESPONSIBLE FOR YOUR OWN SAFETY**

**THIS MACHINE IS DESIGNED TO CUT TIMBER AND TIMBER DERIVATIVE PRODUCTS. DO NOT** use for any other materials.

## Specification...

Axminster No.	AW10BSB2	AW12BSB2
	<b>200387</b>	<b>600890</b>
Motor Single phase 230V, 50 Hz:	2.2kW	3kW
Blade Speed:	2840rpm	2840rpm
Blade Diameter:	10" (254mm)	12" (315mm)
Bore Size:	30mm	30mm
Table Size:	10" (560mm x 800mm)	12" (560mm x 845mm)
Table Size with 2 side extensions fitted(305 X 800 ea.):	W 1170mm x D 800mm W 1480mm x D 800mm	
Table Size with rear extension fitted (boundary dimensions):	W 1170mm x D 1500mm	
Sliding Table Dimensions:	500mm x 400mm	

Continues on next page....



Maximum throat before the Saw with slide rails fully forward:	1220mm
Supported length behind the saw blade:	900mm
Table height:	845mm
Tilt Angle:	0-45 degrees
Minimum Kerf:	3mm

Maximum Depth of Cut (at 90° degrees):	AW10BSB2 (75mm) or AW12BSB2 (100mm)
Maximum Depth of Cut (at 45° degrees):	AW10BSB2 (60mm) or AW12BSB2 (75mm)

Noise measurements to EN 50144

Lpa (sound pressure):	dB(A) 99.5
Lwa (acoustic power):	dB(A) 112.5
Weight:	10" (260kg) or 12" (312kg)



**IT IS RECOMMENDED THAT YOU WEAR EAR PROTECTION WHEN USING THIS MACHINE**

## Initial Assembly Instructions...

Please read through the Section entitled Parts identification and Description, this will enable you to more readily identify those parts of the saw to which we will be referring.



**TWO PERSON SYMBOL**

**PLEASE NOTE.** Some of this assembly procedure is best accomplished by two persons. Although the tasks are not impossible, some of the items are heavy and awkward, and a mishandling error could cause injury. Please think about what you are doing, your capabilities and your personal safety. We have added the 'two person symbol' to any operation that we recommend should be a two person task.

**You will require:** A cross point screwdriver in addition to the tools supplied

Unpack all the boxes and check all the components against the "What's in the Boxes' List. If any parts or components are missing, please contact our customer services department using the procedures and telephone numbers listed in our catalogue, and you will be dealt with quickly and efficiently.

**PLEASE NOTE:** that, on occasion, the packing list is not strictly adhered to, please check all the boxes, packets etc, to make sure that all the parts have been accounted.



**FREEPHONE 0800 371822**

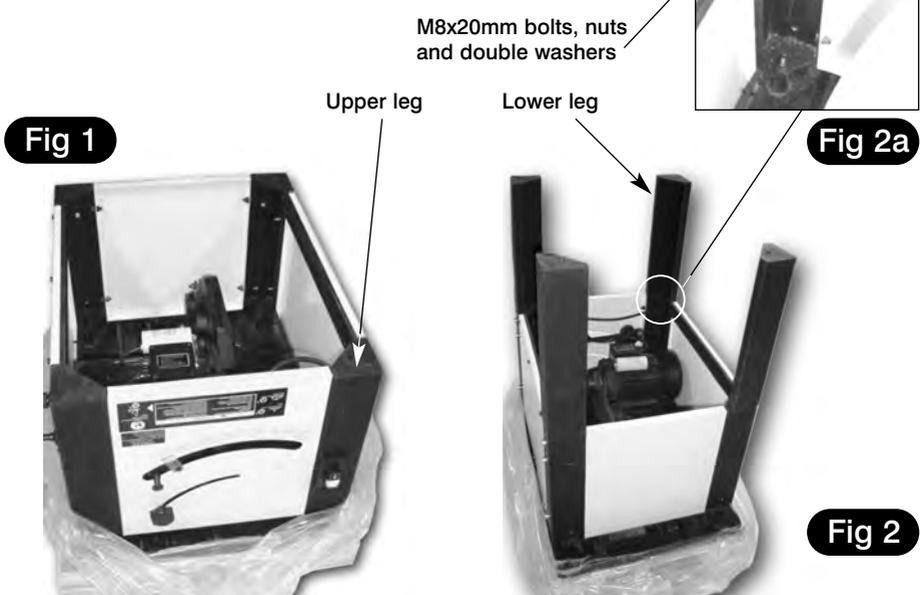


# Assembling the Main Saw Bench...

Having unpacked the boxes, (please dispose of any unwanted packaging responsibly), put the parts and components whereby they are readily to hand. Break down the main box by knocking the sides away (be careful of exposed nails etc.), but leave the machine sitting on its pallet. (See fig 1). Identify the short rear panel with the dust extraction cutout, locate the dust extraction moulding and fit to the panel using the nuts and bolts provided. (See fig 3) (The orientation of the moulding should leave the 30mm outlet pointing upwards i.e. pointing up the long length of the panel).

Put the panel aside, and locate the remaining three panels, the lower chassis legs and 20 No. M8x20mm bolts, nuts and double washers. Fix the lower legs to the upper legs using a washered bolt through the legs and secure with washer and nut, only turn the nuts up finger tight at this time. (See figs 2 & 2a) Take up the rear panel with the dust extraction moulding fitted and fit between the rear legs, using washered bolt through the leg and panel and securing with washer and nut. Again, secure the nuts finger tight only. With easy open access, now is a good time to fit the dust extraction hose. Locate the hose and the two large jubilee clips. Stretch the hose out to its full length. Slip the jubilee clips over the ends of the hose, fit the hose to the outlet on the saw box and the dust extraction moulding and clamp in place with the clips. (See fig 3)

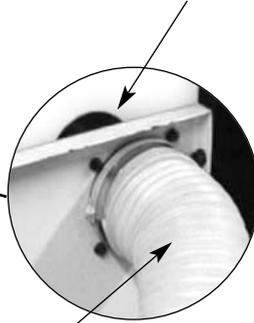
Fit the remaining panels to the legs, using the same securing sequence. Wriggle, push, pull, press, lever etc., the legs and the panels into the best alignment with the upper chassis and tighten the nuts and bolts using the spanners provided. When everything is tightened up, the machine can now be tipped over, towards its blind face (as seen in fig 4) until it is resting on the pallet with its legs on the floor. Lift the machine upright. (See fig 5)



# Assembling the Main Saw Bench...

Rear panel with the dust extraction moulding fitted

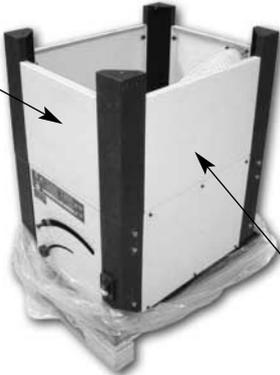
Dust extraction moulding



**Fig 3**

Extraction hose

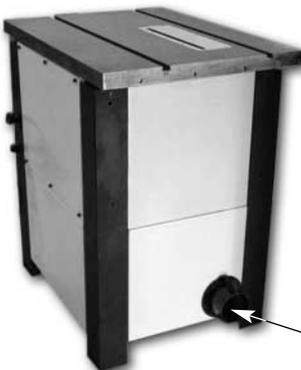
Front panel



**Fig 4**

Fit the remaining panels to the legs

Blind face



**Fig 5**



Dust extraction outlet



**FREEPHONE 0800 371822**

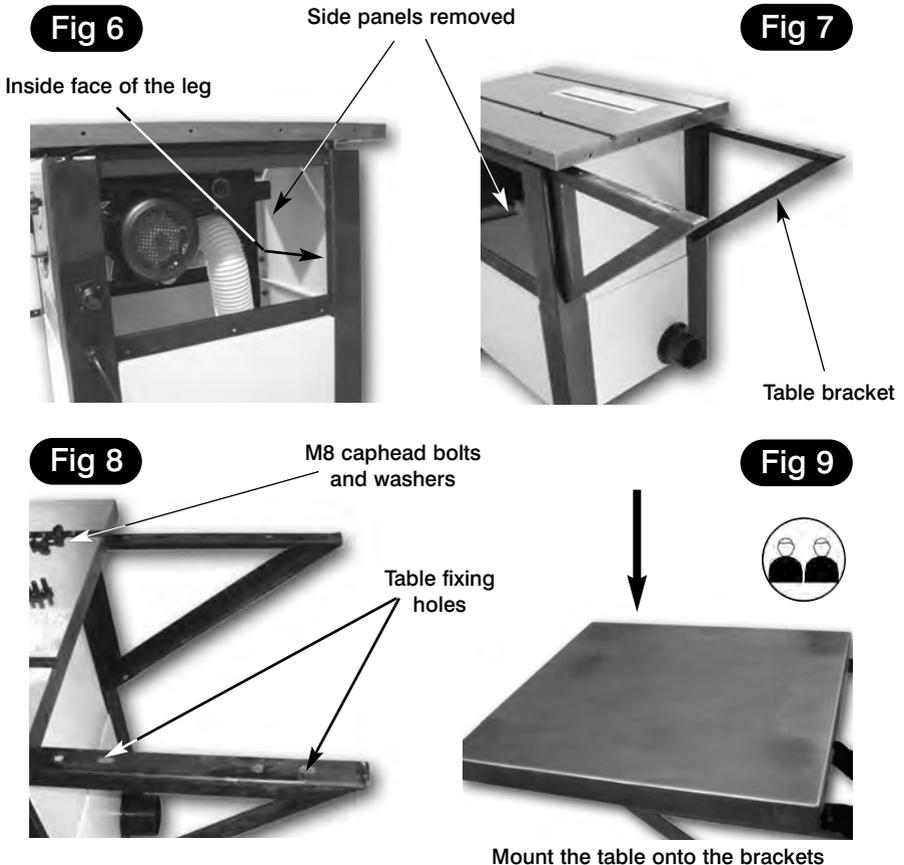
## Assembling the Rear Extension Table...

Remove the 6 fixing bolts in each of the two top, side panels, put carefully aside and remove the panels. (See figs 6 & 7) This gives easier access to the back of the two rear upper chassis legs. Locate the rear extension table brackets, the clamping straps and 4 No. M8 caphead bolts and washers.

**PLEASE NOTE:** the manufacturer has fitted adjusting bolts to the brackets, these are the faces that back against the legs.

Offer the clamping plates up to the inside face of the legs, fasten the bracket using washered bolts through the bracket and the leg into the clamping strap. Tighten the bolts finger tight only at this time. (See figs 7,8). Locate the table and the other 4 No. M8 caphead bolts and washers. Mount the table onto the brackets,

**Note:** that the securing bolts need to feed through the elongated holes in the bracket. (the extension table is spaced off the main table to allow clearance for the rear clamping rail and the rip fence). Leave all bolts finger tight at this time.



## Mounting the First Side Extension Leaf...



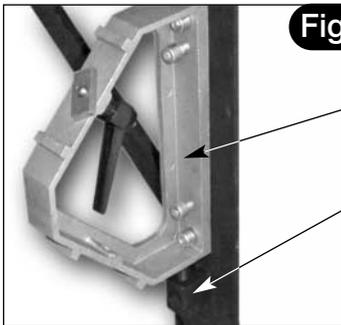
**THE EXTENSION LEAF IS HEAVY YOU MAY REQUIRE  
A SECOND PERSON TO HELP LIFT IT IN PLACE**



Select one of the extension leaves, (either one, they are identical) locate 4 No. M8 hexhead bolts and washers. Ensure the table is correctly orientated (the front edge of the table is bevelled). Stand the back end of the table on the floor, close to the front and edge of the main saw table, with the underside of the table facing the front of the saw. Lift the table up and introduce a washered bolt through the first hole in the leaf and screw it into the first threaded hole along the main table edge.

Screw the bolt in until it is almost home. You can now relax the lifting effort. The extension will hang pivoted on the bolt. Carefully lift the bottom end of the extension up until the edges are level and introduce a washered bolt through the rear hole and the last threaded hole in the table edge, screw it almost home. The extension should be hanging in approximately its correctly position held by the two bolts. Introduce and almost screw home the other two washered bolts. Align the top and front edges at the front of the saw, 'nip' the front bolt to hold the extension in place; carefully manoeuvre the rear of the extension to align the two top edges and 'nip' the rear bolt. Check this movement has not disturbed the alignment at the front of the table, if it has, repeat the procedure until the front and top edges are aligned. Tightened all the bolts securely.

## Mounting the Slide Rail Assembly...



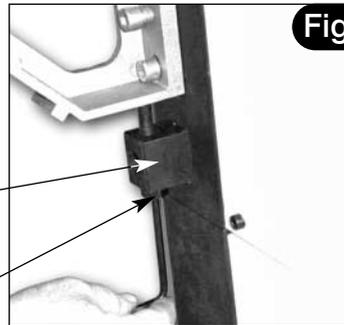
**Fig 10**

Mounting  
bracket

Height  
adjustor  
block

Cuphead  
bolt

Side rail assembly



**Fig 11**

unscrew the caphead bolt in the height  
adjustor block until the recessed  
hole for the fixing bolt is clear

Locate and identify the mounting brackets and the height adjustor blocks. (See figs 10 & 11) These are mounted on the outside faces of the upper chassis legs. They are anchored against clamping plates that are behind the face of the legs.

**NOTE:** These clamping plates are 'loose items', each is initially held in place by three pre-introduced fixing bolts. It is suggested that you do not remove all these bolts at the same time. The suggested procedure is:- unscrew the caphead bolt in the height adjustor block until the recessed hole for the fixing bolt is clear, remove the lowest bolt; fit it through the height adjustor block and screw it back into its position. Screw it almost home. Remove the top bolt, fit it through the top hole of the bracket, and with the bracket tilted to one side, screw it back into its position.



**FREEPHONE 0800 371822**

**13**

## Mounting the Slide Rail Assembly (Continued)...

Remove the middle bolt, allow the bracket to hang vertically, fit the bolt through the bottom hole of the bracket, screw it back into its position. Align the adjustor block as near vertical as you can judge and fasten up its fixing bolt. Screw the adjusting bolt back through the block until it touches the lower face of the mounting bracket. 'Nip' the securing bolts for the mounting bracket. Fit the other bracket in the same way. When screwing the adjusting bolt back through the block, set it to leave the brackets at approximately the same height. Unscrew the slide rail assembly locking dogs so they have plenty of movement.



Locate the slide rail assembly, orientate it so that the longest rail is at the top, and the channels etc., of the extrusion are underneath. Offer it up to the front bracket and introduce the locking dog into the main channel in the extrusion. The two open channels should fit over the guide lands on the bracket face. Slide the assembly forward and repeat the procedure with the rear bracket. Slide the assembly forward until it is set approximately equi-distant about the brackets; tighten the lift and shift lever handled bolts to 'pinch' the slide in place.

## Mounting the Sliding Table...

Remove the safety stop and the 'rubber buffer ring' at the end of the top rail, place carefully aside. Locate the sliding table and manoeuvre the bearing bogies onto the rails, slide the table onto the rails and position it safely within the boundary of the table. Ensure that the initial setting of the slide rail assembly will not cause the sliding table to collide with the main table. Replace the buffer ring and the safety stop.

## Mounting the Second Side Extension Leaf...



Locate the second extension leaf, the table extension support leg, 2 No. M8 x 20mm hexhead bolts, washers and nuts, and 4 No. M8 x 30mm hexhead bolts, washers and nuts. Orientate the leaf correctly. Establish which will be the outer edge.

Turn the leaf upside down on a work surface (or the saw table) and attach the support leg to the outside edge, using the 20mm bolts and fastening through the two middle holes. Fasten securely. (See fig 12) Re-right the leaf and fix to the first extension table, using the same procedure as before. Note. This leaf is fixed using washered 30mm bolts, through both edges and secured with a washer and nut. **YOU MUST ENSURE THAT THE NUT IS FULLY ENGAGED ON THE BOLT BY SEVERAL TURNS, BEFORE YOU RELAX THE LIFTING EFFORT.** Proceed to fit the other bolts and align the table as before. Tighten all bolts securely.

Unlock the clamping bolt of the support leg and allow the inner section to slide through until the foot is resting on the floor. Do not put the leg under tension at this time. 'Nip' up the clamp bolt.



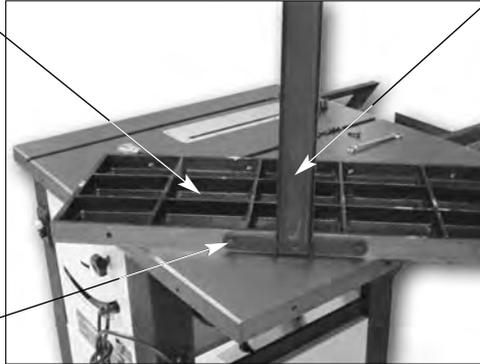
## Mounting the Second Side Extension Leaf...

Second  
extension leaf

Fig 12

Support leg

M8x20mm  
hexhead  
bolt



Turn the leaf upside down on a work surface (or the saw table?) and attach the support leg to the outside edge, using the 20mm bolts and fastening through the two middle holes.

## Mounting the Front Guide Rail and Rear Clamping Rail for the Rip Fence...

Locate the 10 No. M8 SQUARE head bolts washers and nuts. We have ascertained the best way to fit the rails is to introduce the bolts through the holes in the front and rear edges of the tables, hold in position by adding the washer and fitting the nut a couple of turns onto the bolt. Select the front guide rail and introduce the square head of the furthest right hand bolt into the channel in the extrusion; slide the rail along the front of the machine picking up all the bolt heads as you go along. (See fig 13) Reach under the table edge and finger tighten all the nuts. Repeat the process for the rear rail.

Locate the capping plates for the front rail and fit carefully using the self tapping screws. (See fig 14) Set the front rail in position, remembering that it must be slightly inside the front left hand edge of the main saw table, so that the sliding table does not collide with it. Tighten ONLY the 3 bolts in the main saw table. Repeat the process for the rear rail (without the capping plate operation!).

Fig 13



Fig 14



## Setting the Machine Tables...

**PLEASE ENSURE THAT BY NOW, THE SAW BENCH IS PLACED IN ITS WORKING LOCATION IN THE WORKSHOP.**

Place a long straight edge (as long as ext. table plus 2/3 main saw table min.) along one long edge of the rear table and along the main table.

**NOTE:** The rear extension table brackets can be moved up and down within the slotted fixing holes, and 'tilted' forward or backward using the adjusting bolts in the frames adjacent to the fixing bolts. Remember to loosen or tighten the adjacent fixing bolt if you are moving an adjusting bolt.

Make sure all the fixing bolts are generally finger tight. Set the near corner of the table to the straight edge, by pushing, pulling, tapping etc. 'Nip' the securing bolts. Move the straight edge to the other edge of the extension table, repeat the procedure. Now, if necessary, adjust the 'tilt' to bring the far corner up to the straight edge, tapping the near edge down (or up), if necessary. Move the straight edge back to the original edge and repeat the procedure. When the table is set tighten the fixing bolts securely. **THEN** check the table again. Repeat any part of the procedure if necessary.

Place the straight edge across the table and the two extension leaves. (There may be some slight 'sag' at the outer most edge of the leaves due to their weight). If there is any 'falling off' adjust the table support leg to correct this. When you are satisfied that the main table and the side extension leaves are in plane tighten the remaining 4 bolts that secure the front and rear rails.

## Setting the Sliding Table...

**NOTE 1.** With the bracket fixing bolts in a 'loose' condition ensure that the slide rail assembly is clamped flat to the brackets. Retighten the fixing bolts 'finger tight'.

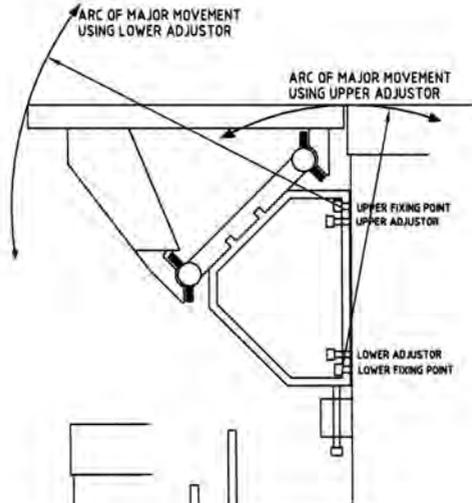
**NOTE 2.** The slide rail mounting brackets can be moved up and down within the slotted fixing holes, using the height adjusters and 'tilted' forward or backward using the adjusting bolts in the frames adjacent to the fixing bolts. Remember to slacken the fixing bolts off if you are adjusting the height, or carrying out a dramatic alteration, otherwise you may stress the bracket casting; loosen or tighten the adjacent fixing bolt if you are moving a 'tilt' adjusting bolt. Remember also that the final 'tighten' of the fixing bolts may alter the setting slightly. Re-check all settings after the final tightening.

The overall setting process is done in 3 phases. 1) Setting the table level against the main table; front and rear. 2) Setting the sliding table/main table gap, to ensure a parallel feed. 3) Raising the sliding table slightly 'proud' of the main table. The reason it is done in this manner and this order, is that phases 1) and 2) are interactive e.g. tilting the sliding table to bring it level can change the gap between the two tables, (See fig 15) whereas if the tables are set level a uniform adjustment to the brackets, should not alter the level, merely the gap. (See figs 15 & 16) The final phase is only a 'jacking' exercise and should not affect the previous settings.

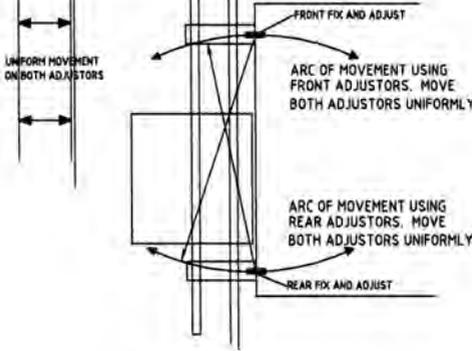
Make sure all the fixing bolts are generally finger tight.



**Fig 15**



**Fig 16**



Set the sliding table so that the front edge is inline with the front edge of the saw table. Place a long straight edge (a bit more than twice the width of the sliding table) along the front edges of the two tables. Set the near corner of the table to the straight edge.

Move the table and the straight edge to the rear of the MAIN table. Set the rear corner to the straight edge. Adjust the table to bring it level under the straight edge. Move the table and the straight edge back to the front of the main table and check the table is level; adjust if necessary. Once you are satisfied, and all the bolts are now 'nipped', slide the table back and forth and check the gap between the sliding table and the main table.

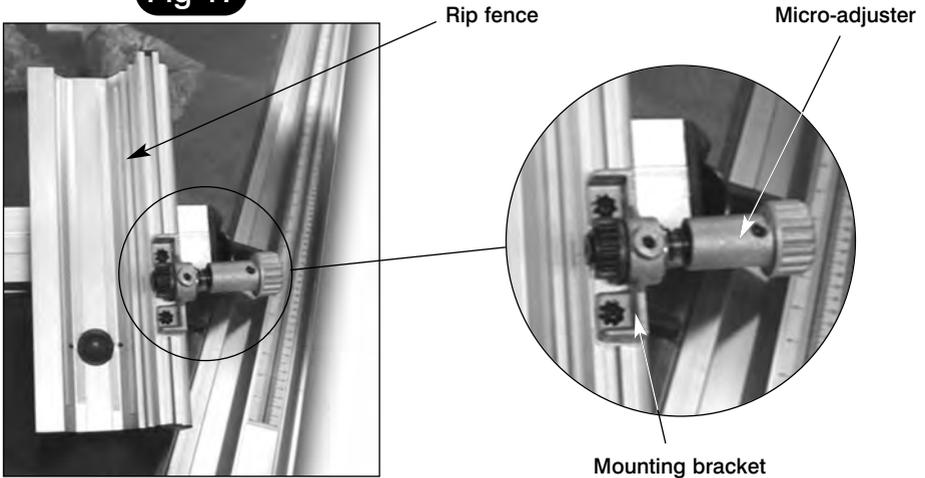
It should be approximately 2-3mm and uniform alongside the main table. Adjust as necessary, making uniform adjustments of the bolts in each bracket. Again, when you are satisfied; 'jack' the table up by screwing both the height adjusting bolts UP approximately  $\frac{3}{4}$  turn. This will raise the table by something less than a millimetre and will reduce the drag of the workpiece at the main table edge, giving easier, more controllable movement. Check all bolts are tightened up, recheck all your settings.....etc. etc.



## Mounting the Micro-Adjustor to the Rip Fence Mounting Bracket...

Locate the Micro-Adjustor and the Rip Fence. There are two fixing screws through the adjustor mounting bracket with square nuts on them. Ensure the nuts are undone sufficiently to allow them to slide into the channel in the Rip Fence mounting bracket extrusion, position as required, normally slightly to the right of the rip fence, (See fig 17) and tighten the screws securely. Locate the capping plates for the Rip Fence Mounting Bracket and fit carefully using the self tapping screws. Fit the Rip Fence assembly to the saw by ensuring the clamping lug at the rear of the fence is 'hooked over' the rear rail, lower the fence and manoeuvre the bracket over the guide rail.

**Fig 17**



Fitting the micro-adjuster to the rip fence mounting bracket

## Mounting the Sliding Table Fence Assembly...

(See fig 18 & 19)

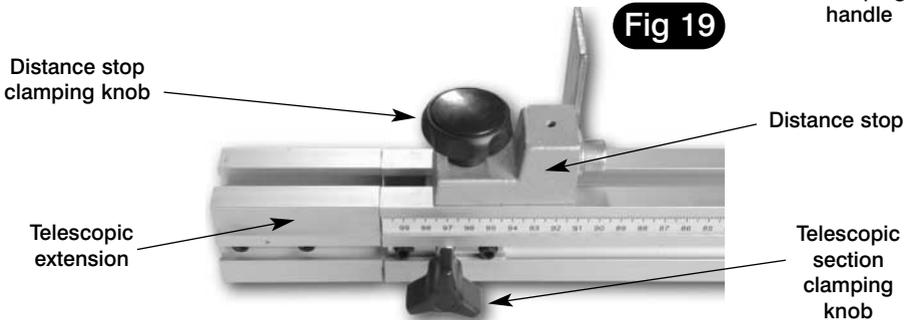
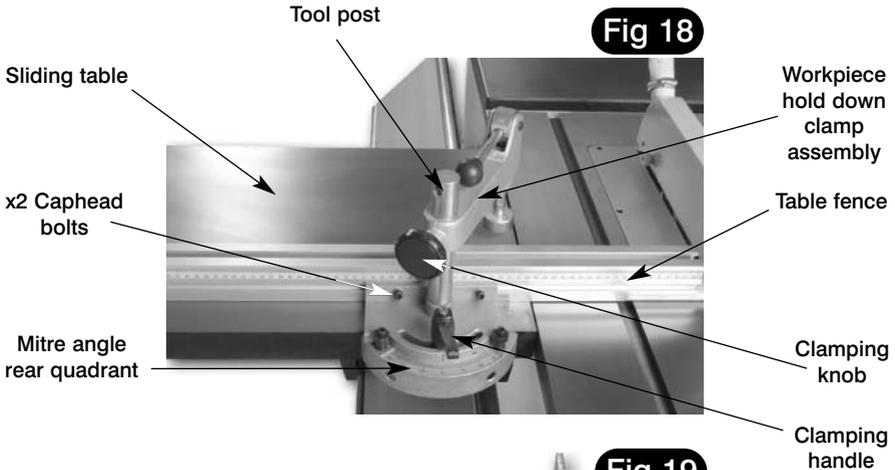
Locate the Main Tool Post, the Mitre Angle Rear Quadrant (and fixing bolts), the Table Fence Mounting, the Sliding Table Fence, the Distance Stop and the workpiece Hold Down Clamp. Take the Mitre Angle Rear Quadrant, remove the Clamping Handle and washer, put carefully aside and bolt the quadrant on to the front edge of the Sliding Table using the bolts provided. Introduce the Main Tool Post through the Table Fence Mounting and screw the post into the tapped hole in the sliding table. The post is shouldered such that it holds the Fence Mounting in position against the table.

Undo the two fence mounting bolts such that the dogs on the front surface have sufficient movement to be able to be slid into the extrusion in the rear of the fence. Mount the Fence such that the sacrificial plastic orange tongue is against the table to the right of the mounting; position the fence such that when it is pivoted it will not encroach into the saw slot. Pinch up the fixing bolts.



## Mounting the Sliding Table Fence Assembly...

Introduce the Clamping Handle through its clamping washer and the arc slot into the tapped hole in the sliding table. Pinch up the Clamping handle. Mount the distance stop by introducing the dog into the wide channel in the top of the fence extrusion. Fit the workpiece hold down clamp onto the main tool post and pinch up the clamping knob.



## Fitting the Hand Wheels...

Locate the two hand wheels. Fit the hand wheels onto the shafts for the tilt mechanism drive and the rise and fall mechanism.

**Note:** the square key slots on the shafts, align the holding grub screws with these slots. Tighten securely. Check their security by raising and lowering and tilting the saw blade.

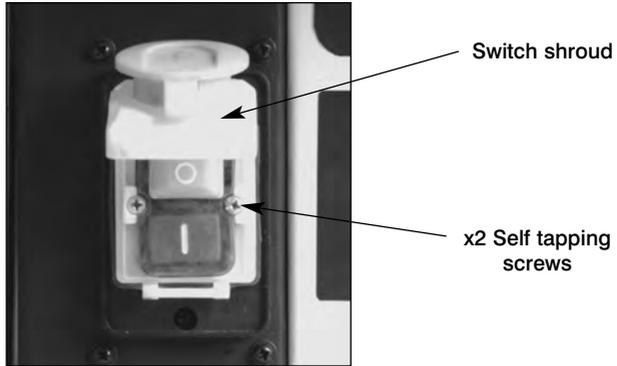
**NOTE.** Please ensure that the rise and fall **LOCK** is loosened before operating the mechanism.



## Fitting the Switch Shroud...

Locate the switch shroud. Position the shroud over the switch block, such that the knob shaped cover is hinged at the top See fig 20. Secure using the two small self tapping screws provided.

**Fig 20**



## Fixing the Riving Knife...

**See IPB on Page 42 & 43**

Locate the Riving Knife. Remove the 5 No. screws that secure the saw gullet, place carefully aside. Remove the saw gullet and place it aside. Raise the saw blade up to its highest point.

**NOTE:** The mounting plate for the riving knife has been factory set to ensure that the riving knife is aligned with the blade. Do not alter the setting bolts.

Introduce the slot in the riving knife over the two centre line bolts, behind the washers, (no. 16 and 11 in the diagram) and nip the bolts to just hold the riving knife against the mounting plate. Set the riving knife so that it is close to the blade, (gap about 2-3mm if possible). Tighten the clamping bolts securely. Replace the saw gullet.

Lower the saw blade, making sure the riving knife does not foul the gullet.

## Attaching the Saw Hood Guard and the Extraction Hose...

Locate the saw hood guard, the extraction hose and the jubilee clips. There are two fastenings in the guard, a fixed bolt at the rear and a clamping bolt just in front of it. Introduce the fixed bolt into the 'L' shaped slot in the riving knife and push it down and back so that the bolt is locked into the slot. Lower the guard so that the clamping bolt fits into the curved slot in the riving knife. Tighten the clamp to pinch the guard to the riving knife and hold it in position.

Push the jubilee clips over the ends of the hose, push the hose onto the spigots of the guard and the main dust extraction moulding and tighten the clips to hold it in place.

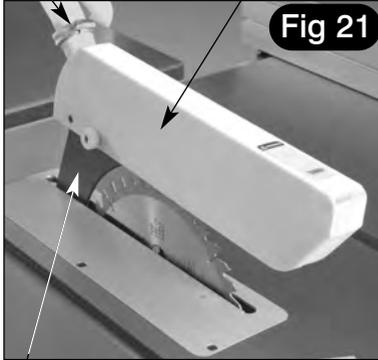
**See figs 21 & 22**



## Attaching the Saw Hood Guard and the Extraction Hose...

There is no requirement to remove the guard. The profile of the riving knife precludes the use of the saw for slotting or grooving, and the maximum depth of cut can be achieved with the guard in place. The positioning of the extraction hose could be a nuisance if you are cutting big boards, et al. In such a case it is better to remove the hosing from the guard, than risk getting the workpiece snagged and perhaps 'slewing' on the saw.

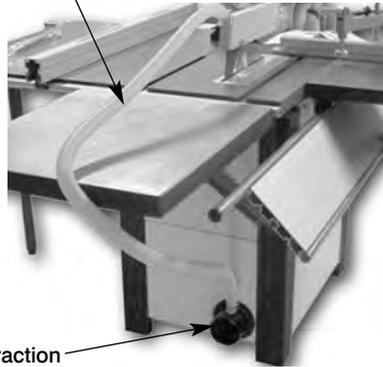
Jubilee clip      Hood guard



Riving knife

Extraction hose

Fig 22

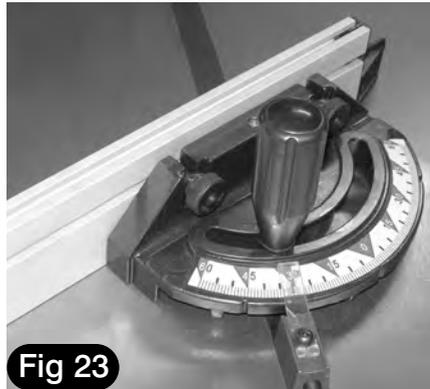


Dust extraction

## Fitting the Small Mitre Fence...

Locate the small mitre fence. Introduce the nose of the bar into the required slot in the main table. Lay the bar flat and push forward. The 'locking T' is produced by a washer screwed to the underside of the bar, make sure this engages in the 'T' slot in the table. (See fig 23)

**NOTE:** With the rear extension table fitted it is not possible to push the small mitre fence completely 'through'. However, the travel is such that the fence is able to travel well past the cutting edge of the saw, and the rear of the 'T' slot is open so that saw dust can be pushed clear of the slot.



## Setting and Checking the Machine...

Raise the blade to its maximum height, check that it is upright to the table. Set the sliding table fence to zero angle against the preset post. Slacken the two fence mounting bolts and slide the fence up close to the saw blade. Fasten the two mounting bolts again.

Using a known 90° square place it against the fence and the blade (not on the teeth), and check that the angle is correct, if not, adjust the preset post on the Mitre Angle Rear Quadrant. (See fig D) This preset post is a small eccentric cam mounted on the shaft of a caphead bolt. By loosening the bolt and turning the head of the post with a spanner, the position of the stop can be altered.

Check the angle again, continue to check and adjust until it is correct. Pivot the fence to the 45° stop. Using a mitre square; et al, check the angle. Repeat the procedure as previously. Reset the saw to zero angle.

Loosen the fence mounting bolts, slide the nose of the fence (the orange tongue) up to the blade, secure. Check the parallelity of the sliding table movement by sliding the table forward and checking the tongue/blade are still in contact, or that the movement has not jammed the tongue against the saw. If there is a slight discrepancy, it may be acceptable to you. (a 1mm difference across the face of the blade (fully extended) is about (one quarter of a degree) and pro rata. If not, or the discrepancy is too large, the slide rail assembly will need to be re-adjusted, to achieve a parallel motion.

Set the distance stop to a predetermined measurement against the inset scale. Loosen the fence mounting bolts and using a tape or a distance piece set the fence so that the saw blade to stop is that measurement. Tighten the mounting bolts securely.

Tilt the blade fully over. Using a mitre square et al; set the angle of the saw to 45°. Check that the index mark gives a corresponding reading against the scale. Adjust the pointer if necessary. Reset the blade upright, check that the angle scale reading is correct. Set the rip fence a predetermined distance from the saw blade and lock in position. Check that the rip fence is held securely when it is locked in position. If the locking appears a little 'slack' adjust the position of the clamping lug at the rear of the rip fence by tightening the nut. Check that the preset distance corresponds to the measurement on the scale against the index mark in the magnifying lens. If not, adjust the position of the rip fence on its mounting bracket.

Fit the small mitre fence to the machine. Loosen the clamping handle.

**NOTE:** There are 3 preset positions available with the small mitre fence. +45°, 0°, and -45°, these are achieved using lugs in the casting and a push/pull pin against which the lugs are stopped. The pin has to be fully withdrawn to allow the fence to pivot from one side to the other.

Set the face to zero angle using the preset position. Check that the angle is correct (and the lug is on the correct side of the pin). Check that the indexing pointer gives the correct reading against the scale. Adjust the pointer if necessary. Check left and right positions. Check the pointer is still correct. If the preset positioning is wrong, set the fence with a square/mitre gauge, set the pointer accurately against the scale, and clamp the fence in position without recourse to the presets.

Remove the small mitre fence from the table and stow carefully aside.



Check the belt tension (see fig 24) the belt should be tight, but not unduly so. Remove all tools and stow away. Check that the machine tables are clear. Lower the saw to leave about 25mm protruding, set the saw upright.

Check that everything that should be tight, is tight; saw blade guard, rise and fall lock mechanism, fence clamps etc.

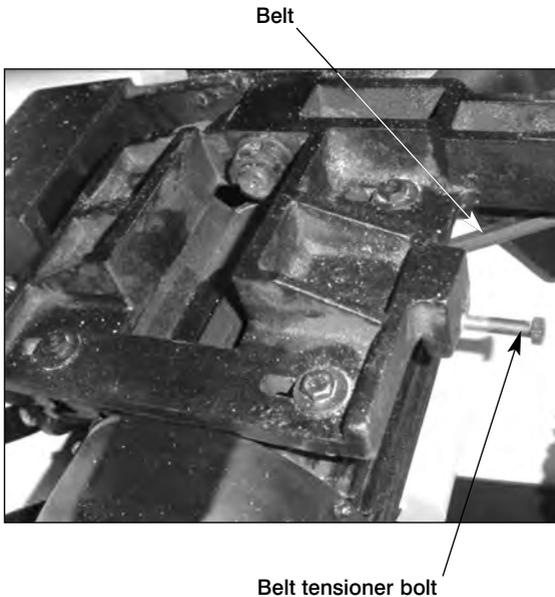
Connect the machine to the mains supply, lift the switch shroud and give the machine a quick burst. i.e. On/Off. Check that everything is sound and feels O.K. (No knocking, - scraping, belt squeal, rubbing etc..)

Give the machine a longer run, and 'slap' the switch shroud down. Check that this gives a fast and easy method of switching the machine off, without searching for the stop switch button.

When you are happy that everything seems O.K. switch the machine off, disconnect from the Mains Supply. Locate the two upper side panels and their fixing bolts and secure them in place.

**Congratulations;** one 10" bench saw; assembled and ready to work.

**Fig 24**



**Saw table**  
(See fig A)

This is the actual machine, it comprises a cast iron table with the cut-out to allow the saw blade to project through, the two slots into which the small mitre fence can be fitted. The edges of the table have various combinations of drilled and tapped holes to allow the mounting of the extension tables and the fence mounting rails; the saw assembly and the motor are bolted to the underside of the table. The saw assembly comprises the saw shaft with its rise and fall and tilt mechanism. The drive is provided by the motor pulley via a drive belt to the saw shaft. The saw table is bolted into the tops of the legs of the Upper Chassis using 4 adjustable bolts and locking nuts to enable the table to be set correctly. The table has been factory set, and unless it is significantly 'out' should not be adjusted.

**Upper chassis**  
(See fig A)

The Upper Chassis comprises 4 steel fabricated legs and 4 pressed steel panels bolted in position between them. The two upper side panels are mounted to the chassis frame such that they can be removed, to allow access to the saw assembly, the motor, the drive belt etc.; these panels are each held in position by 6 caphead bolts. The Front panel has two cutouts for the rise and fall drive shaft and the locking mechanism actuator to come through. The cutout for the rise and fall shaft has a decal applied to the lower edge to enable the angle of the saw tilt to be read off, using an index pointer mounted on the saw mechanism.. The front right leg mounts the drive shaft for the tilt system. The NVR ON/Off Switch plate is mounted on the upper left front leg.

**Lower chassis**  
(See fig A)

This comprises a further 4 steel fabricated legs and 4 pressed steel panels bolted in position between them. The lower rear panel has a cutout to allow the mounting of the dust extraction moulding.

**Table insert**  
(See fig A)

This is a metal alloy insert that covers the hole in the saw table through which the blade protrudes, and which allows access to the inside of the saw table, to enable the riving knife to be adjusted, the saw blade to be changed, et al. The left side of the gullet has been relieved so that the saw blade can be tilted.

**Extension tables**  
(See fig A)

The cast iron extension tables provide added support for the workpiece beyond the boundaries of the saw table to the rip side.

**Extension table support leg**  
(See fig A)

Because of the weight of the extension leaves, a support leg is provided to increase stability. The height adjustment is effect by loosening the caphead bolt and allowing the inner channel to slide in the outer channel. Tighten the bolt to lock the leg at the height selected.

**Rise and fall control hand wheel**  
(See fig A)

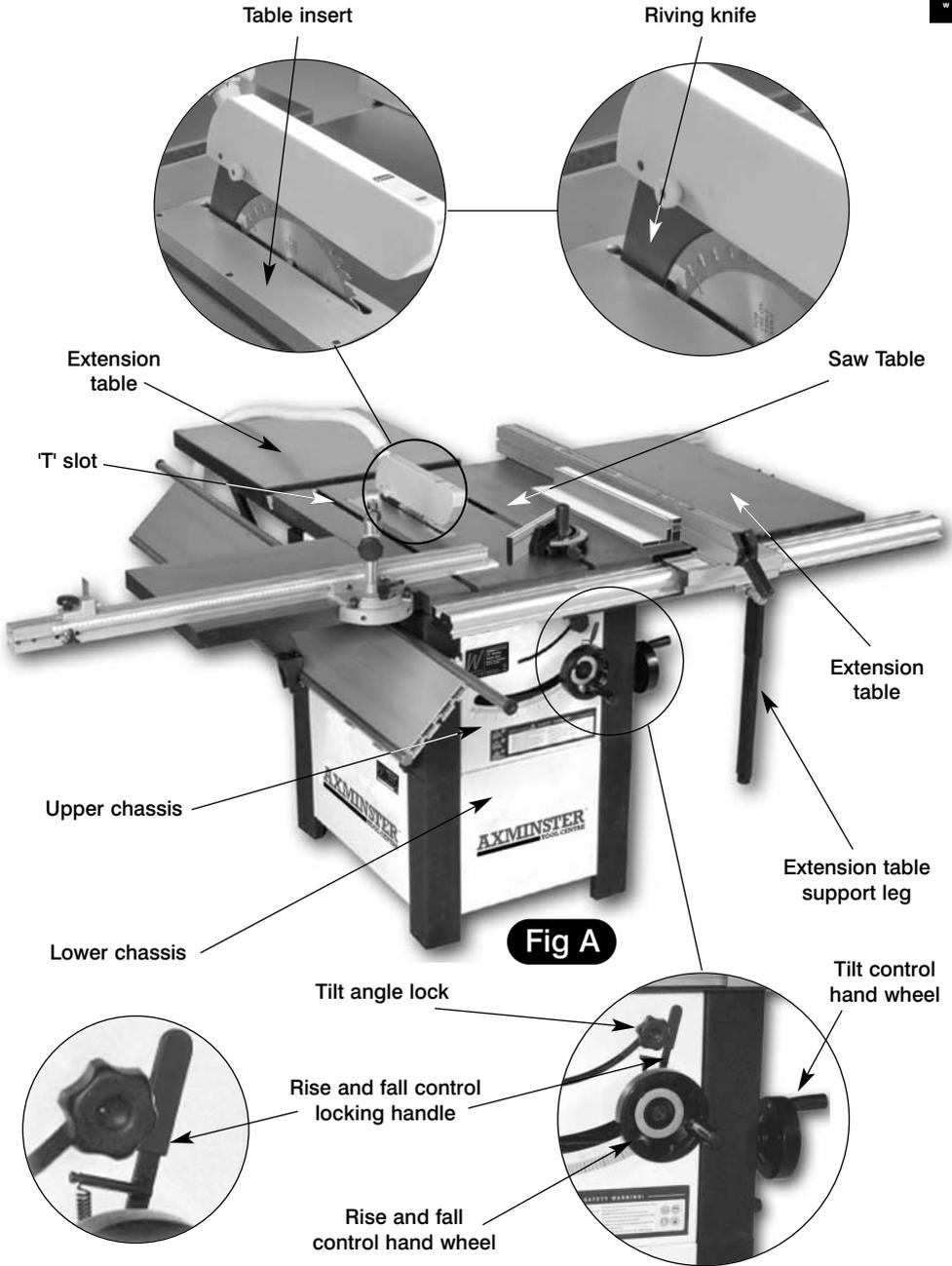
This is an engineers wheel handle attached to the shaft of the rise and fall mechanism of the saw. Turning the handle clockwise will cause the saw blade to rise, anti-clockwise to fall. Rotate control behind clockwise to lock spindle.

**Tilt angle lock**  
(See fig A)

A small star knob situated above the rise and fall control handle that locks the tilt mechanism to prevent any movement that could be caused by vibration during the saw operation.



# Illustration & Parts Description of the Saw...

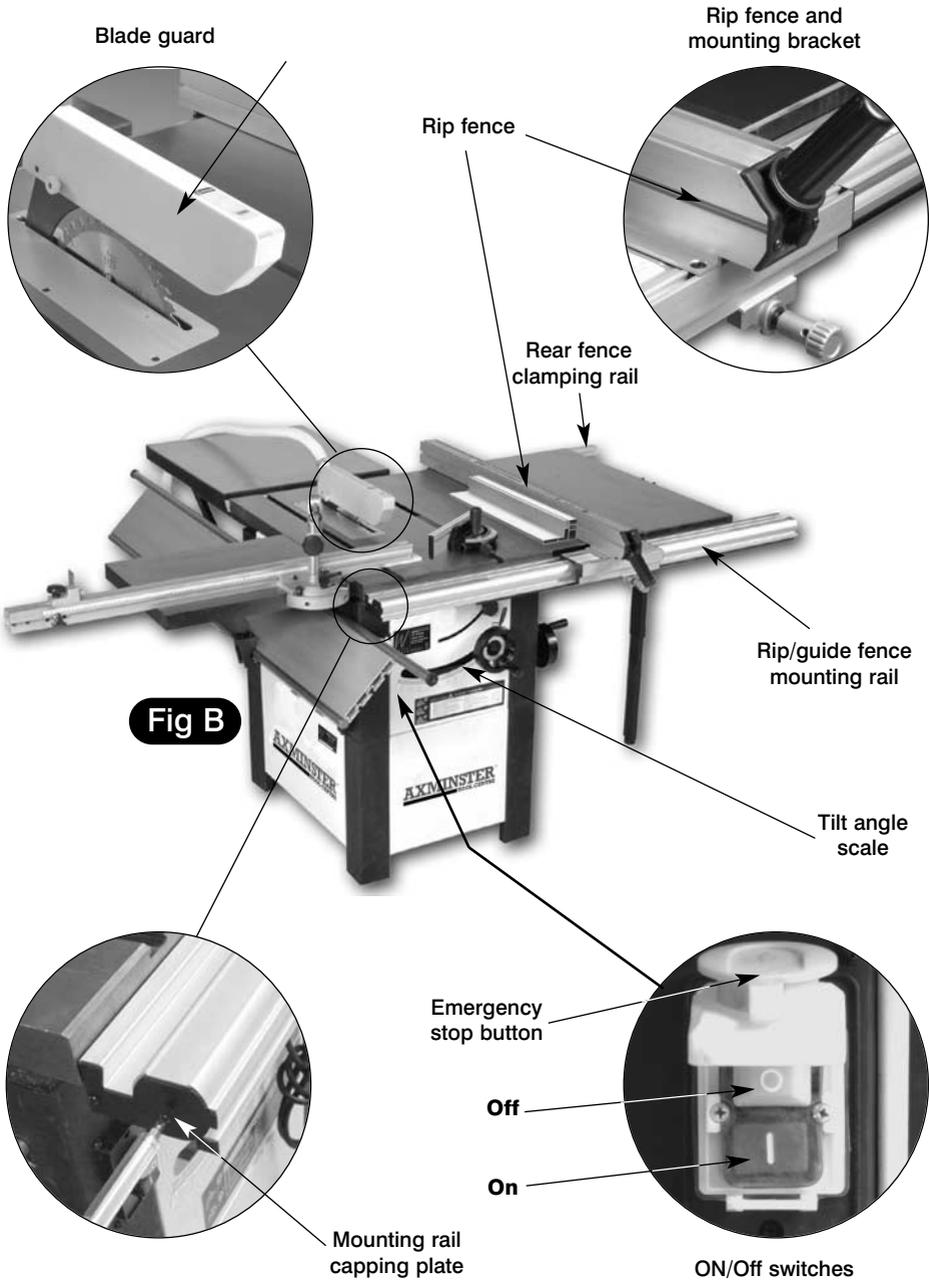


**FREEPHONE 0800 371822**

- Tilt control hand wheel** (See fig A) This is an engineers wheel handle attached to the shaft of the tilt mechanism of the saw. Turning the handle clockwise will cause the saw blade to return upright, anti-clockwise to tilt it right. There is not locking function on the tilt mechanism assembly.
- Tilt angle scale** (See fig B) This is a self adhesive scale decal that is stuck onto the front of the machine to give some indication of the angle to which the saw blade is tilted.
- On/Off switches** (See fig B) Two grouped switches that control the NVR contactor of the saw table, They carry the standard markings of 'I' for ON and 'O' for OFF. There is a shroud that fits over the switch block, with a cover shaped as an emergency stop button. Moulded on the rear of the cover is a protrusion that impinges on the stop button. If the guard is locked down, the stop button is permanently depressed. If, whilst you are operating the saw you should require to stop the machine quickly; 'slapping' the cover down will depress the stop button.
- Blade guard** (See fig B) A moulded plastic guard that is mounted on the riving knife. There is a 30mm dust extraction port at the rear of the guard which can be connected to the main dust extraction ducting at the rear of the saw, or connected directly to an extraction system as you choose.
- Rip/guide fence mounting rail** (See fig B) A section of extruded aluminium rail that fixes onto the front edge of the sawtable, it also extends across the faces of the extension leaves, so that the rip fence can be used across the full width of the saw. The rail carries a scale tape, to enable the distance to the fence to be gauged. The front of the extrusion forms the moulded shape into which the rip fence mounting fits and locks. The underside of the mounting rail had a toothed rack fixed to it, for use with the micro-adjustor of the rip fence.
- Mounting rail capping plates** Two lamina plates shaped to the extruded section of the mounting rail and secured by self tapping screws. They blank off the voids at the ends of the rail.
- Rear fence clamping rail** (See fig B) A section of extruded aluminium rail that fixes onto the rear edge of the sawtable, it also extends across the extension leaves. The locking lug of the rip fence clamp pulls up against the rail to hold the fence in position.
- Rip fence and mounting bracket** (See fig B) An aluminium box shaped extrusion. The whole is mounted onto the mounting bracket. The locking handle is pivoted in the front part of the fence and has a cam action that moves a long rod which pulls the rear locking lug against the rear fence clamping rail to hold the fence in position. The mounting bracket is the complementary shape of the mounting rail and can slide back and forth along the rail. Channels in the extrusion capture the nuts of the fixing bolts, this allows the fence and the micro-adjustor to be fastened to the bracket. There is a magnifying sight glass with an index line recessed into the bracket.



# Illustration & Parts Description of the Saw...



**FREEPHONE 0800 371822**

**Mounting bracket capping plates**  
(See fig C)

Two lamina plates shaped to the extruded section of the rip fence mounting bracket and secured by self tapping screws. They blank off the voids at the ends of the bracket.

**Rip fence micro-adjustor**  
(See fig C)

This is a small bracket housing that mounts a small shaft with a round knob handle on the outer end and a pinion gear on the other. The gear is held disengaged from the rack on the mounting rail by a spring. If you wish to use the adjustor, pushing the handle forward against the spring will allow the pinion to engage with the rack. Precise movement, left and right can now be achieved. **REMEMBER** to unlock the fence before attempting to use the adjustor.

**Mitre fence**  
(See fig C)

A cast assembly, which mounts on to a steel bar. The steel bar fits into the machined slots in the table. A 'T' bar locking effect is achieved by screwing a large diameter washer to the underside of the bar. This washer runs in the thin slots which form a 'T' in conjunction with the main slot. The assembly at the rear of the mitre fence is a combination of index marker and preset stop mechanism. Withdrawing and advancing the locating pin against the various faces in the casting will establish several preset angular positions. Remember to lock the mitre fence in position before use. There is a decal scale on the main body of the mitre fence which will enable you to read off the angle at which the device is set.

When the rear extension table is fitted, it prevents the mitre fence being 'slid thro' to clear the table at the rear. This should not present any problems with the functionality of the saw as the mitre fence at any angle more than adequately passes the front edge of the saw

**Sliding table assembly**  
(See fig C)

The Sliding Table Assembly consists of:-

**Slide rail brackets**  
(See fig C)

These are cast brackets that are bolted through the face of the legs of the upper chassis on the off side of the saw. The holding bolts for the brackets are anchored in a flat clamping plate that is behind the face of the leg. The brackets are used to mount the slide rail assembly. The inclined faces of the brackets have two guide lands that engage with the slide rail assembly to locate it in position. There is also a square dog that is captured in its corresponding channel in the slide rail assembly, this dog is tighten in the channel using the lift and shift lever handle; this will lock the slide rail into position. The brackets are symmetrical and can be fitted either way 'up'; although, nominally the adjusting bolts are pre-fitted and would indicate the way the bracket is to be mounted.

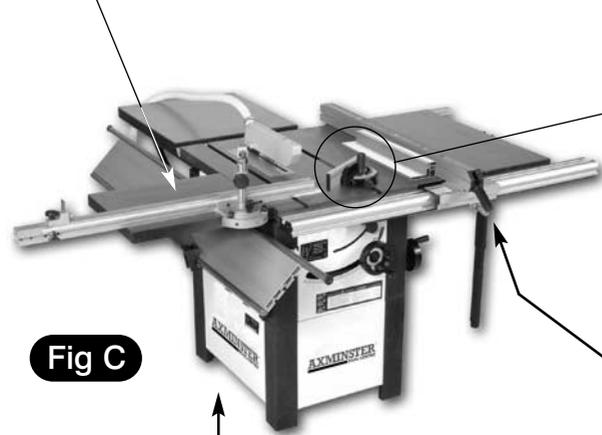
**Slide rail bracket adjusters**  
(See fig C)  
**Height adjusters**  
(See fig C)

There is an adjusting bolt at the top and bottom of the rear bracket face to enable the slide rail assembly and hence the sliding table to be set correctly.

These are two small blocks that bolt to the chassis leg face below the slide rail brackets. There is a bolt through the block that is driven against the lower face of the bracket and allows the height of the bracket and hence the sliding table to be set precisely.

# Illustration & Parts Description of the Saw...

Slide table assembly



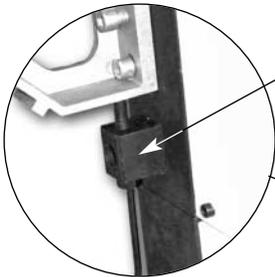
**Fig C**



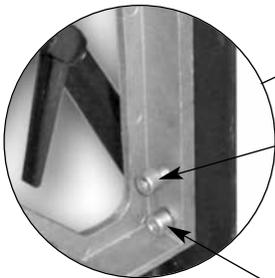
Mitre fence



Rip fence  
micro-adjuster



Typ. 2 Height adjuster



Typ. 2 Slide rail  
bracket adjuster



Side rail bracket

Securing bolt



**FREEPHONE 0800 371822**

**Slide rail assembly**  
(See fig D)

This is an aluminium extrusion to which the upper and lower slide rails are secured. The upper rail is the longer of the two, and has the stops (to prevent the sliding table coming off the rails) at either end. There is also an 'O' ring at both ends of the rail, against the stops, to prevent the roller bearings 'crashing' into the stops.

**Sliding table**  
(See fig D)

This is a cast iron table that is fitted to the slide rails via 3 No. bearing bogies. Two bogies are fitted to lands on the underside of the table and the third is on a flange at the bottom of the cantilever leg. This arrangement gives a wide triangular base area, providing good support and stability for the sliding table. There is a drilled and tapped hole in the face of the table into which the main tool post is fitted. There is a further drilled and tapped hole in the face that accepts the lift and shift lever handle bolt that is used to clamp the table fence mounting in position. There are also two small drilled and tapped holes in the rear apron of the table, which accept the bolts that secure the mitre angle rear quadrant.

**Mitre angle rear quadrant**  
(See fig D)

This is a small casting that is bolted to the rear of the sliding table immediately behind the main tool post. It has a decal laid in it that allows the angle of the sliding table fence to be measured against the index mark on the fence mounting. It also mounts the two adjustable preset stops that enable the fence to be set to 0° and 45°.

**Main tool post**  
(See fig D)

This is the post around which the table fence mounting pivots, and which is the anchor post for the hold down clamp. The post has a shoulder turned on it that keeps the table fence mounting in position.

**Table fence mounting**  
(See fig D)

This is a semicircular casting that fits around the main tool post. The semicircular part of the casting has a radiused slot, through which a lift and shift lever handled bolt is fitted into the tapped hole in the table. This acts as a locking device to clamp the mounting at its set position. The 'diameter' of the casting is raised into a vertical face against which the sliding table fence is fastened. The fence is fastened to the mounting using two bolts which engage with the dog plates captive in the channel of the fence extrusion. The fence extrusion can be set by sliding it along the dogs before they are clenched. On the outer edge of the circular casting are two lugs which strike against the preset stops on the mitre angle rear quadrant to establish the fence at 0° or 45°.

**Sliding table fence**  
(See fig D)

An aluminium extrusion. This is, in fact, an extrusion within an extrusion, as the fence can be telescoped out to increase the support length of the fence, and increase its measuring capacity, using the tape decals inset into the grooves in the top of the extrusions. There is a relief in the inside end of the main fence into which is fitted a nylon block, this block is the 'soft edge' that is set closest to the saw blade. The top of the extrusion has a large 'T' slot into which the locking dog for the length stop is fitted. The secondary extrusion can be locked in position by a star handled bolt, which clamps the two extrusions together.

**Note:** Only the END of the extension rail is in the same plane as the face of the fence.



# Illustration & Parts Description of the Saw...

Preset stops

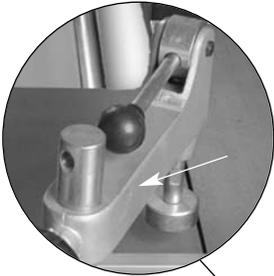
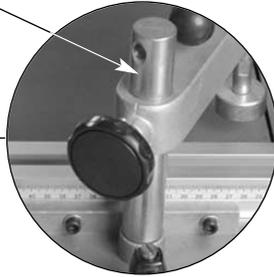
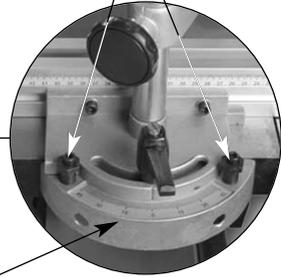


Table fence mounting

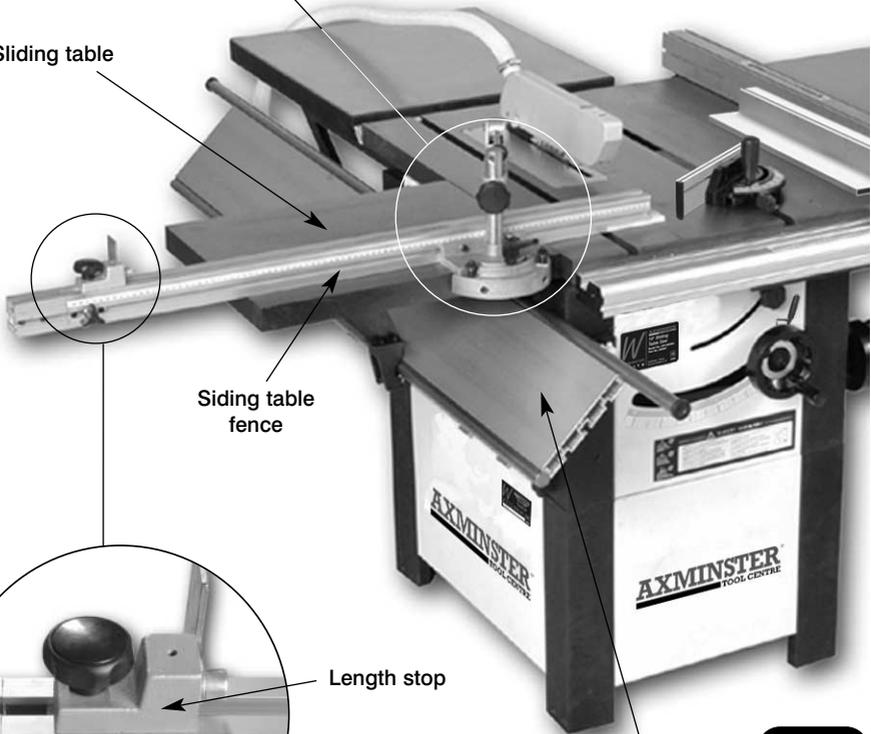


Main tool post



Mitre angle rear quadrant

Sliding table

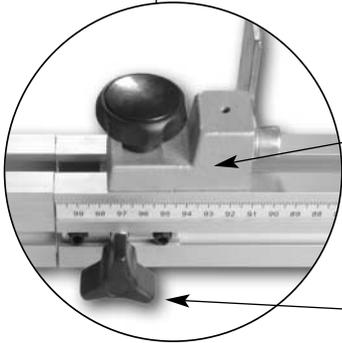


Siding table fence



Slide rail assembly

Length stop



Extention lock

**Fig D**



**FREEPHONE 0800 371822**

## Identification & Description of the Saw Table...

**Length stop**  
(See fig D)

A 'flip over' blade that can be moved up and down the length of the fence, and clamped in position. The distance from the blade can be set against the tape decal.

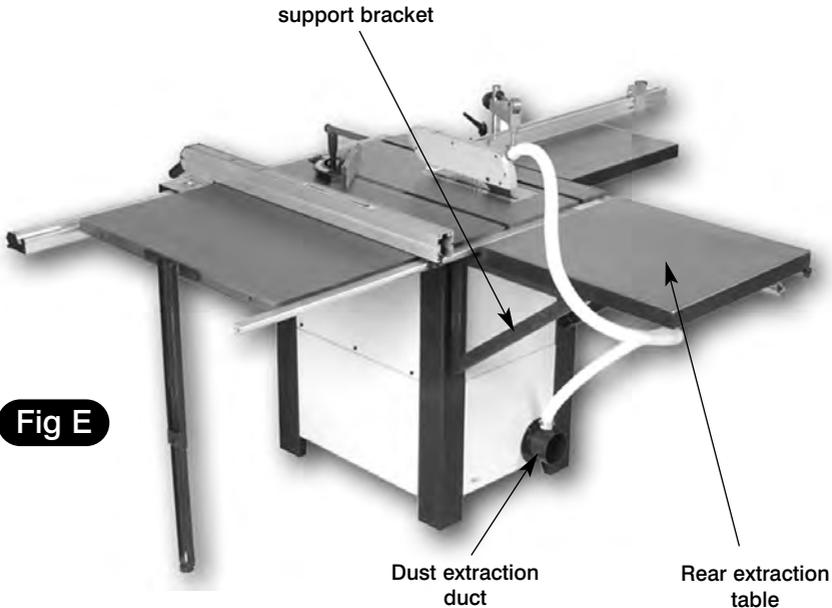
**Rear extension table**  
(See figE)

The rear extension table consists of 5 pieces, the table itself, two support brackets, and two clamping plates. The clamping plates fit behind the faces of the two rear upper chassis legs. They have tapped holes top and bottom to accept the fixing bolts fitted through the brackets and the legs. The mounting brackets are symmetrical and can be fitted either way 'up'. The fixing holes are elongated to allow the height of the table to be adjusted to be in the same plane as the saw table. The table is bolted to the brackets. It is set off the back of the main table sufficiently to clear the rip fence rear clamping rail and allow the clamping end of the rip fence to move freely past it.

**Drive belt tensioning**

See Maintenance Section.

## Illustration & Parts Description of the Saw...



**Fig E**



Keep the saw as clean and free from saw dust build up as is practical.

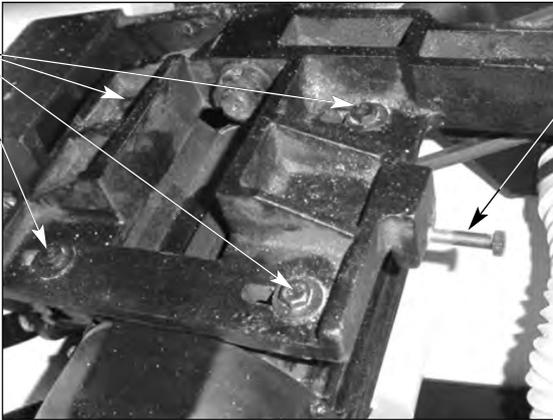
Periodically, remove the saw gullet and blow out brush out clean out the saw box and the extraction hosing. Remove any resin build up in the saw box, using a proprietary resin cleaner.

Remove the upper side panels and clean the threaded drive shafts of the rise and fall and tilt mechanisms. At the same time check the belt drive, i.e. the belt is not 'glazing' with resin build up, likewise with the pulley wheels. Check the belt tension. If the belt is becoming slack, loosen the motor hold down bolts and drive the motor backward with its adjusting bolt. See fig 25.

Check the saw blade regularly for chipped, missing, damaged teeth etc. and remove any resin build up from the blade, riving knife etc.

**Fig 25**

Motor hold  
down bolts



adjusting bolt





**WARNING!!**

**DISCONNECT THE MACHINE FROM THE MAINS SUPPLY**

Raise the saw blade to its highest point. Remove the saw blade guard. Remove the 5 screws that secure the table insert, place carefully aside and remove the table insert. Using the spanner and the tommy bar provided, put the spanner onto the flats on the nut. Turn the saw until the tommy bar hole is visible. Insert the tommy bar and turn the saw to allow it to rest against the front edge of the saw slot.



Remove the saw guard and the table insert

The tommy bar hole is in the inside platewasher component (see item 92 of the IPB on page 42.)

Slacken off the saw nut (remember left hand thread). Remove the saw nut, then remove the sawplate washer and the saw blade. Now is a good time to give the interior of the machine, the dust extraction channels, etc. a thorough clean. Check the new blade for damage, missing teeth, sharpness etc. Fit the new blade, ensure that the teeth are pointing towards the front of the machine. Put the sawplate washer onto the shaft and twist on the saw nut. Spin the nut up finger tight and check the saw is correctly seated.

Tighten up the saw nut, using the tommy bar to hold the shaft steady. Check the riving knife is aligned with the saw blade, and correctly positioned. Replace the table insert and secure with the 5 screws. Replace the saw blade guard. When everything is satisfactory, turn the saw blade once by hand to check it doesn't foul anywhere.

Reconnect the machine to the mains supply. Give the machine a 'quick' burst check ( i.e. quick ON-OFF) to ensure everything is O.K. If everything is satisfactory, continue to use the machine. Check the old blade for sharpness, missing teeth, resin buildup, etc., clean if necessary and send for refurbishment/resharpening if required. If the blade is not to be re-sharpened, clean and pack away in its stowage case.



## Specific Instructions/Precautions for the Saw Bench...

Make sure the saw blade is the correct type for the job in hand.

**DO NOT** force the saw, if the saw begins to 'stall' you are 'forcing the cut' or over working the saw.

Ensure that the saw blade is clean and sharp. Resin build up on the blades will increase the friction of the saw passing through the timber, and cause over heating of the blade, blunt teeth will work harder tearing the fibre of the timber as opposed to shearing it, also with subsequent overheating. Both faults unnecessarily load the machine beyond normal usage, and shorten its longevity.

**DO NOT** use blades that are deformed in any way.

**DO NOT** remove the blade guard. The design of the riving knife on the machine will not allow for slotting or 'blind' grooving, so there is no reason to remove the guard. There is adequate clearance under the guard for the capacity of the machine (75mm).

**DO NOT** remove the riving knife.

**DO NOT** use any blades that cut a smaller kerf than the riving knife thickness.

Make sure the riving knife is correctly adjusted to the blade and is securely fastened.

If the table insert becomes damaged or broken, and will not support the timber 'up close' to the blade, replace it.

**DO NOT** start the saw with the workpiece touching the blade.

**DO NOT** commence sawing until the blade has run up to full speed.

After switching off, never try to slow the saw down more quickly by applying side pressure (with a piece of wood?) to the blade.

Apply the old joiner's adage of never getting hands within one handbreadth of the blade.

Leave the machine disconnected from the mains supply until you are about to commence work.

**ALWAYS** disconnect the machine if you are leaving it unattended.

**NEVER** leave the vicinity of the machine unless the blade has come to a complete stop.

**DO NOT** attempt to carry out any maintenance, corrective work, setting up etc., unless the machine is disconnected from the mains supply.

If any tools have been used during setting up procedures, make sure they are removed from the machine and stowed safely away.

**DO NOT** attempt to carry out cross cutting operations 'freehand', always use the mitre fence for small stuff and the sliding carriage for larger work pieces.

Unless you are an experienced machine operator, do not attempt to 'rip' freehand, always use the guiding facility of the rip fence.

It is perfectly acceptable to support guide and feed the timber with your hands whilst ripping stuff of some length, however, as you approach the blade ensure that the push stick is to hand, and you use it.

**REMEMBER** the emphasis of the 'push' should be between the blade and the fence and close to the fence. Use your free hand to support and guide the material on the offside of the saw blade and at least 100mm away from it. If the timber does not extend to at least 100mm to the offside of the saw blade, the material possibly? does not need guiding or supporting.

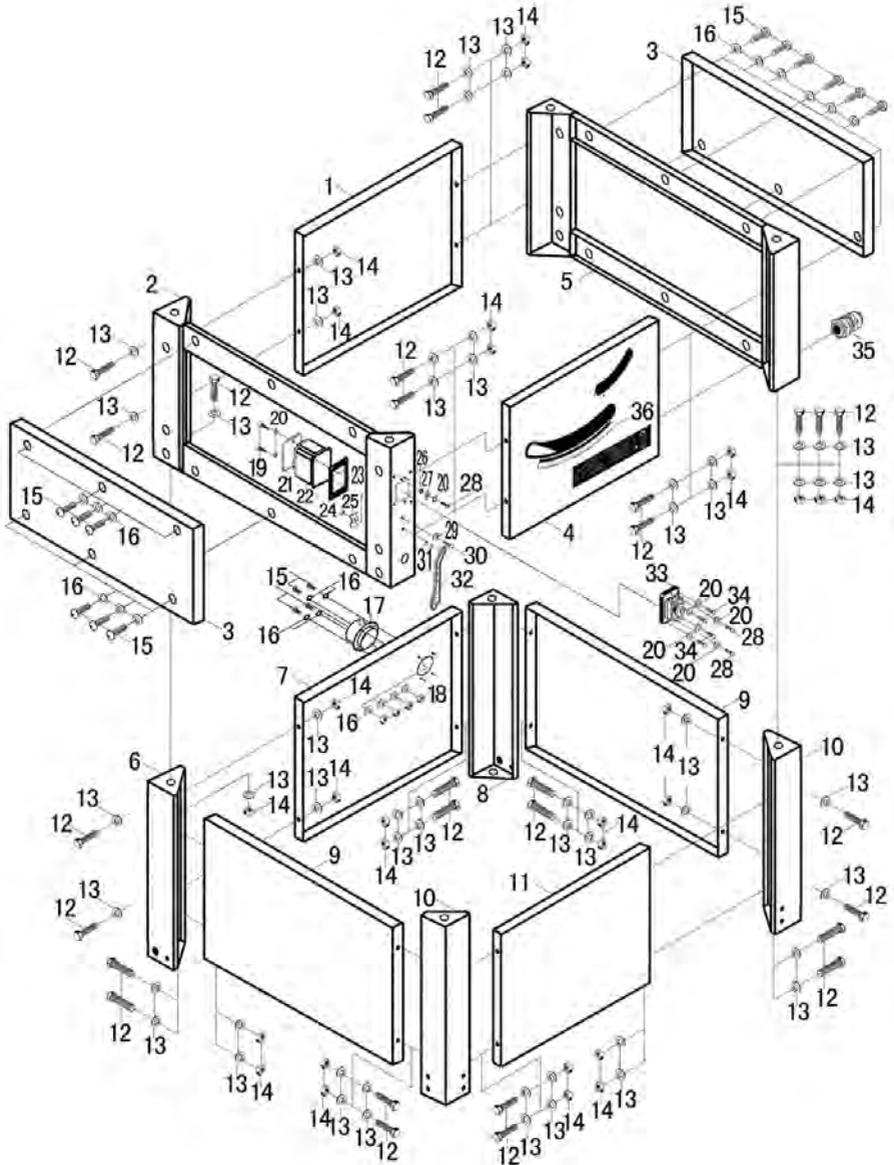
**CHECK** (especially on site), that there are no foreign objects e.g. old nails, screws, small stones etc embedded in the material you are about to cut. If necessary take a wire brush to the timber before working.

If you are being assisted whilst using the saw (by a 'take off' or 'support' number?), remember there is only one sawyer at a machine, and they stand in front of it. The assistant does not push, pull, guide etc., unless specifically asked or instructed to do so by the sawyer.



**FREEPHONE 0800 371822**

**DIAGRAM A**



No.	DESCRIPTION	Qty
A-1	front panel	1
A-2	left frame	1
A-3	side panel	2
A-4	rear panel	1
A-5	right frame	1
A-6	left leg	1
A-7	front side board	1
A-8	right leg	1
A-9	right and left side board	2
A-10	rear leg	2
A-11	rear side board	1
A-12	hexagon head bolt M8X20	28
A-13	washer 8	56
A-14	hexagon nut M8	28
A-15	cross recessed pan head screw M6X22	16
A-16	washer 6	20
A-17	tie-in	1
A-18	hexagon nut M6	4
A-19	pan head tapping screw ST4X12	2
A-20	washer 4	9
A-21	switch bottom board	1
A-22	switch house	1
A-23	rubber washer of switch house	1
A-24	hexagon nut M5	1
A-25	wire strain	1
A-26	external teeth lock washer	1
A-27	earth-plate	1
A-28	cross recessed pan head screw M4X10	3
A-29	washer 5	1
A-30	cross recessed pan head screw M5X20	1
A-31	nail	1
A-32	push stick	1
A-33	switch	1
A-34	cross recessed pan head screw M4X16	4
A-35	cablegland	1
A-36	label	1



# Parts List/Breakdown for the 10/12" Saw Table...

No.	DESCRIPTION	Qty
B-1	rear rail	1
B-2	step bolt M8x25	10
B-3	cross recessed countersunk head screw M5x6	5
B-4	insert	1
B-5	worktable	1
B-6	extension table	2
B-7	washer 6	32
B-8	hexagon nut M8	12
B-9	hexagon head bolt M8x22	8
B-10	slotted set screw with flat point M10x80	4
B-11	hexagon nut M10	12
B-12	cross recessed pan head tapping screw ST4.0X12	4
B-13	washer 4	4
B-14	left end cap for front rail	1
B-15	front rail	1
B-16	right end cap for front rail	1
B-17	square nut M6	12

B-18	rack	4
B-19	external teeth washer 5	12
B-20	cross recessed pan head screw M5x8	12
B-23	neck chain	2
B-24	dust collection tube	1
B-26	rear extension table	1
B-27	left support bracket	1
B-28	right support bracket	1
B-29	nut board	2
B-30	hexagon socket cap head screw M8x20	12
B-31	hexagon socket cap head screw M8x25	2
B-32	upper stand leg	2
B-33	hexagon head bolt M8x25	4
B-34	washer block	2
B-35	lower stand leg	2
B-36	foot bolt	2

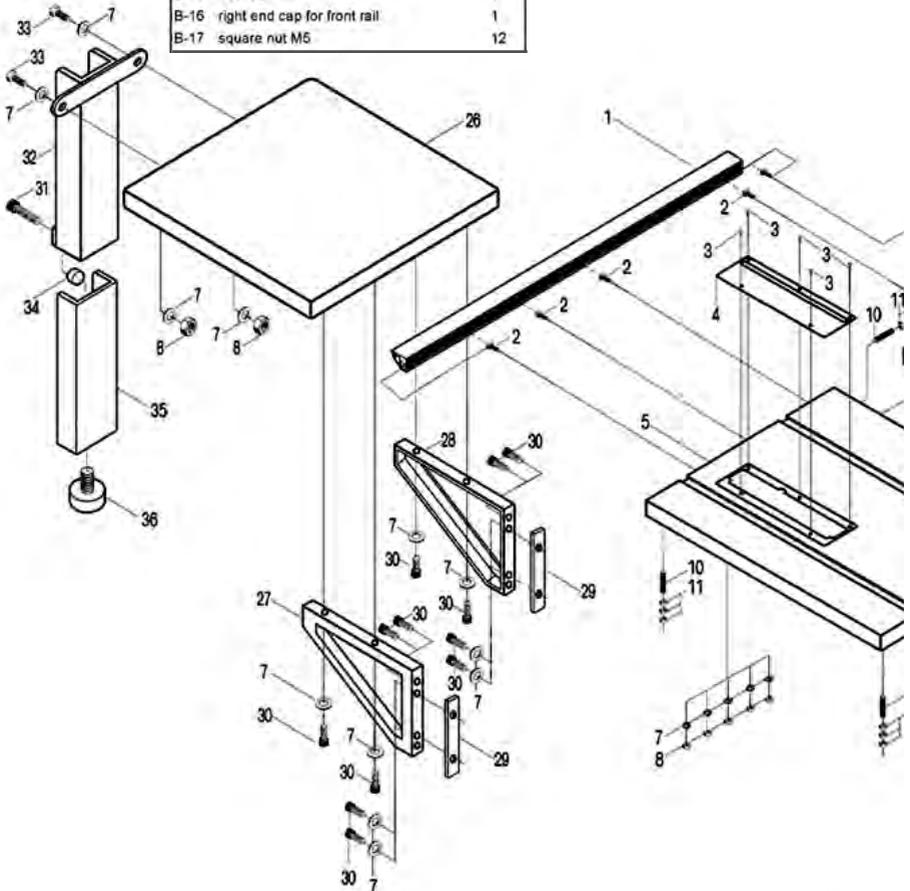
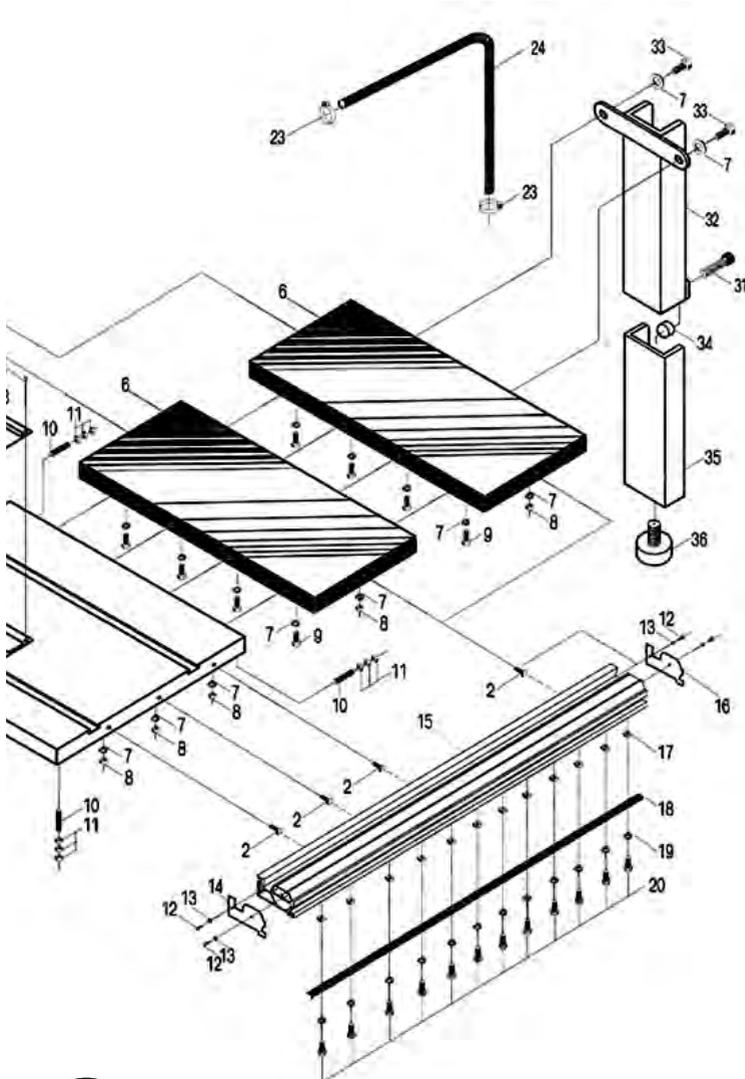
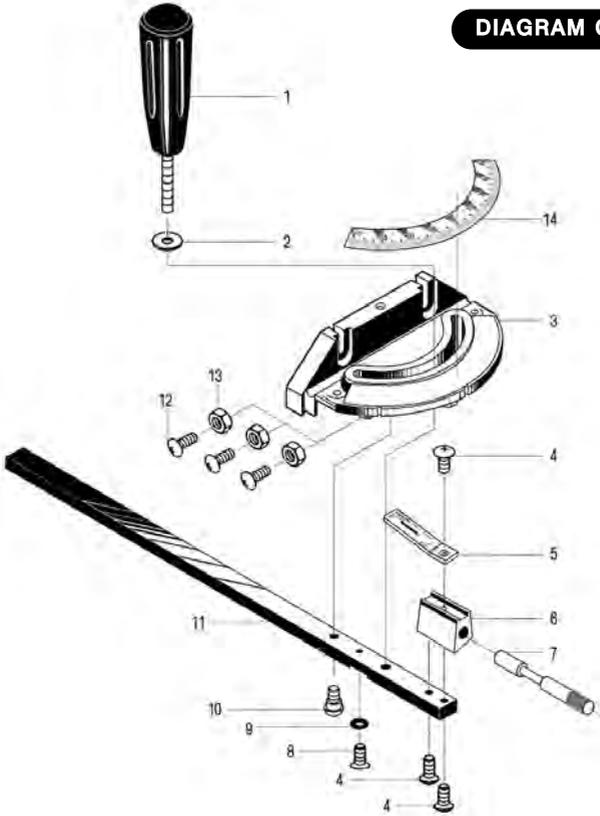


DIAGRAM B



**FREEPHONE 0800 371822**

**DIAGRAM C**



No.	DESCRIPTION	Qty
C-1	lock handle for mitre gauge	1
C-2	washer 8	1
C-3	mitre gauge	1
C-4	cross recessed pan head screw M5X10	3
C-5	mitre gauge pointer	1
C-6	mitre gauge block	1
C-7	stop pin	1
C-8	cross recessed countersunk head screw M5X8	1
C-9	guide board washer	1
C-10	shoulder screw	1
C-11	guide board	1
C-12	cross recessed pan head screw M4X8	3
C-13	hexagon nut M4	3



Notes...



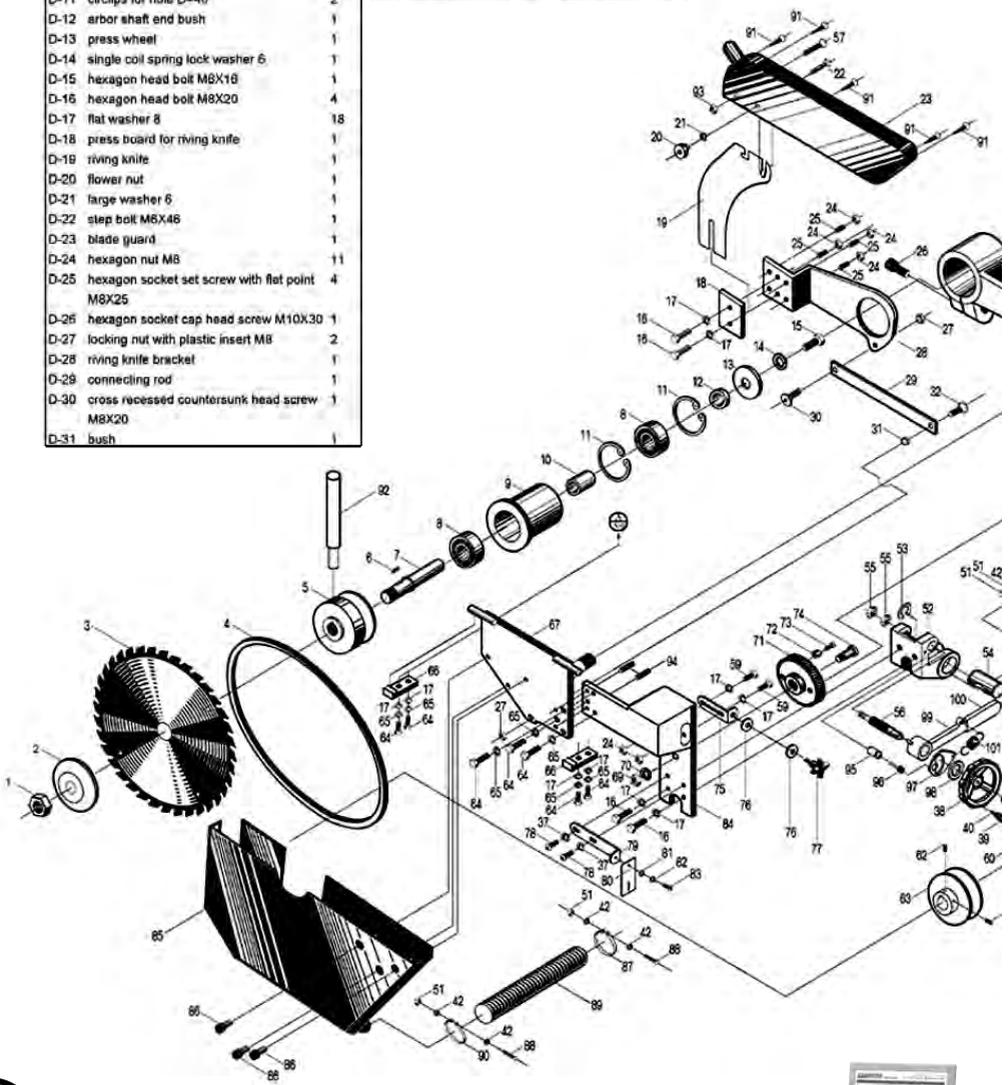
**FREEPHONE 0800 371822**



# Parts List/Breakdown for the 10/12" Saw Table...

No.	DESCRIPTION	Qty
D-1	blade nut M16(left-hand)	1
D-2	outer blade washer	1
D-3	blade	1
D-4	A-belt	1
D-5	pulley	1
D-6	key (A-type)	1
D-7	arbor shaft	1
D-8	bearing 60203	2
D-9	arbor shaft sleeve	1
D-10	arbor shaft bush	1
D-11	circlips for hole D=40	2
D-12	arbor shaft end bush	1
D-13	press wheel	1
D-14	single coil spring lock washer 5	1
D-15	hexagon head bolt M8X18	1
D-16	hexagon head bolt M8X20	4
D-17	flat washer 8	18
D-18	press board for riving knife	1
D-19	ripping knife	1
D-20	flower nut	1
D-21	large washer 6	1
D-22	step bolt M6X46	1
D-23	blade guard	1
D-24	hexagon nut M8	11
D-25	hexagon socket set screw with flat point M8X25	4
D-26	hexagon socket cap head screw M10X30	1
D-27	locking nut with plastic insert M8	2
D-28	ripping knife bracket	1
D-29	connecting rod	1
D-30	cross recessed countersunk head screw M8X20	1
D-31	bush	1

D-32	cross recessed countersunk head screw M8X30	1
D-33	hexagon head bolt M8X65	1
D-34	locking nut for motor base	2
D-35	motor base	1
D-36	hexagon socket cap head screw M5X12	2
D-37	large washer 5	4
D-38	hand wheel	2
D-39	handle	2
D-40	handle bolt	2
D-41	cross recessed pan head screw M6X16	4

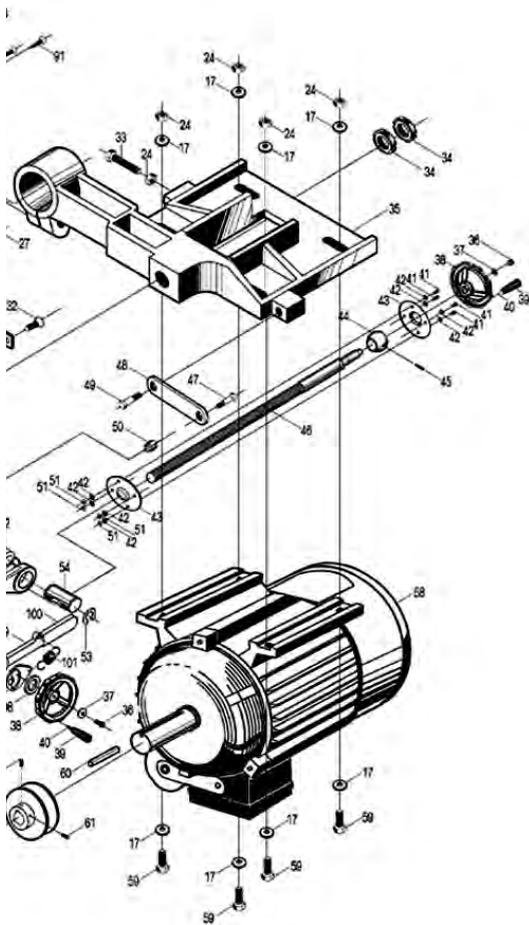


# Parts List/Breakdown for the 10/12" Saw Table...

## DIAGRAM D

No.	DESCRIPTION	Qty
D-42	flat washer 6	12
D-43	ball bracket	2
D-44	thread rod ball	1
D-45	spring dowel 4x28	1
D-46	adjusting thread rod	1
D-47	worm-wheel connecting rod nail A	1
D-48	worm-wheel connecting rod	1
D-49	worm-wheel connecting rod nail B	1
D-50	connecting rod bush	1
D-51	hexagon nut M8	6
D-52	adjusting frame	1
D-53	circlips for shaft D=24	2
D-54	knuckle	1
D-55	thin nut M12	2
D-56	height adjustment rod	1

D-56	height adjustment rod	1
D-57	cross recessed countersunk head screw 1 M5X32	1
D-58	motor	1
D-59	hexagon head bolt M8X40	6
D-60	key 8x7x50	1
D-61	hexagon socket set screw with flat point 1 M6X9	1
D-62	hexagon socket set screw with flat point 1 M6X6	1
D-63	motor wheel	1
D-64	hexagon socket cap head screw M8X24	7
D-65	single coil spring lock washer 8	7
D-66	rotation press block	2
D-67	adjusting cradle	1
D-69	hexagon nut M12	1
D-70	single coil spring lock washer 12	1
D-71	worm-wheel	1
D-72	eccentric sleeve	1
D-73	hexagon socket cap head screw M8X30	1
D-74	worm-wheel shaft nail	1
D-75	locking block	1
D-76	large washer 8	2
D-77	flower bolt	1
D-78	cross recessed pan head screw M5X12	2
D-79	pointer bracket	1
D-80	pointer	1
D-81	flat washer 4	1
D-82	single coil spring lock washer 4	1
D-83	cross recessed pan head screw M4X10	1

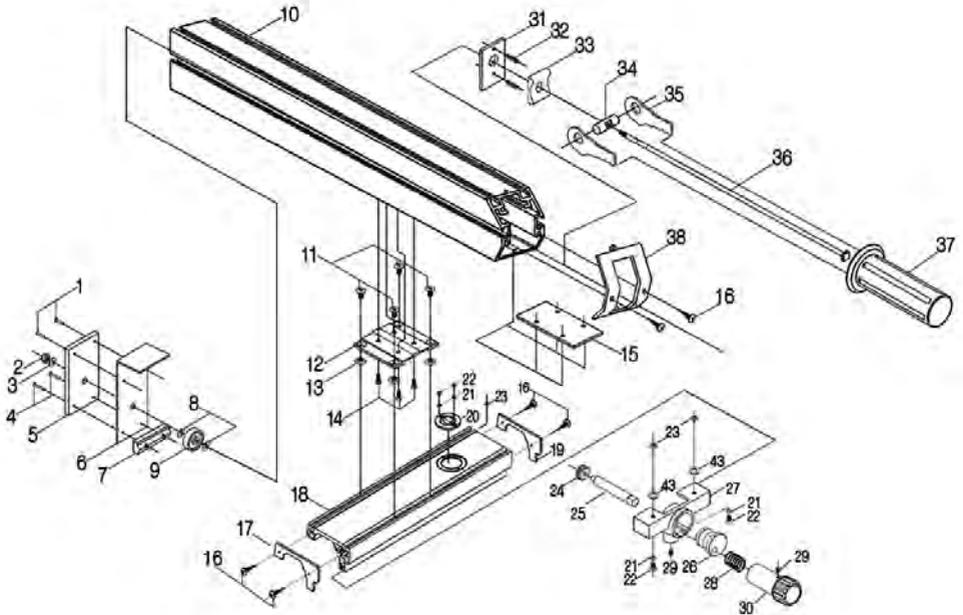


No.	DESCRIPTION	Qty
D-84	adjusting worm-wheel bracket	1
D-85	dust collection cover	1
D-86	hexagon socket cap head screw M6X18	3
D-87	neck chain	1
D-88	hexagon head bolt M6X25	2
D-89	dust collection tube	1
D-90	elliptic neck chain	1
D-91	cross recessed countersunk head tapping screw ST4,0X26	5
D-92	Tommy Bar	1
D-93	hexagon nut M5	1
D-94	elastic lock	2
D-95	lock nail bush	1
D-96	hexagon socket cap head screw M6X25	1
D-97	active board	1
D-98	active board block	1
D-99	lock handle	1
D-100	handle sleeve	1
D-101	lock handle spring	1



**FREEPHONE 0800 371822**

## DIAGRAM E



No.	DESCRIPTION	Qty
E-1	round head rivet with small head $\phi 3 \times 7$	2
E-2	hexagon nut M8	1
E-3	washer 8	1
E-4	round head rivet with small head $\phi 3 \times 13$	2
E-5	lock plate	1
E-6	lock spring	1
E-7	lock block	1
E-8	spring ring D6	2
E-9	rolling wheel	1
E-10	rip fence	1
E-11	cross recessed countersunk head screw M6X12	4
E-12	fence plate	1
E-13	square nut M6	4
E-14	cross recessed pan head screw M6X16	4
E-15	board instead of nut	1
E-16	cross recessed countersunk head tapping screw ST4.0X12	6
E-17	left end cap for scale indicator housing	1
E-18	scale indicator housing	1
E-19	right end cap for scale indicator housing	1

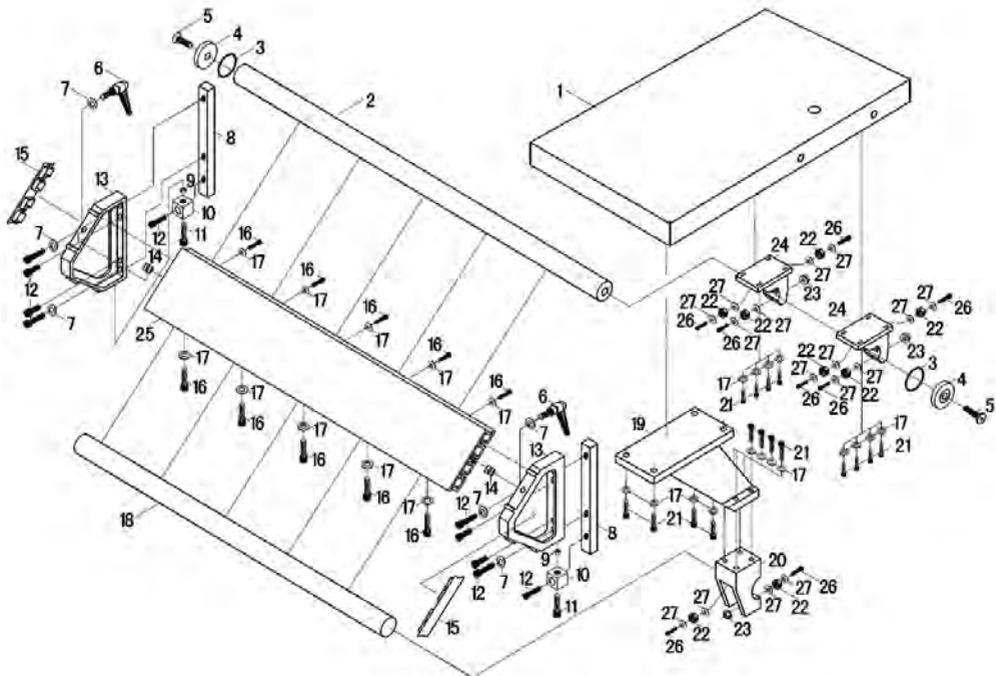
E-20	scale indicator	1
E-21	washer 5	4
E-22	cross recessed pan head screw M5X10	4
E-23	square nut M5	3
E-24	small gear	1
E-25	gear rod	1
E-26	eccentric wheel	1
E-27	gear rod frame	1
E-28	spring for gear rod	1
E-29	hexagon socket set screw with flat point M6X5	2
E-30	rip fence handle	1
E-31	rear board	1
E-32	pin $\phi 5 \times 16$	2
E-33	rear block	1
E-34	lock eccentric rod	1
E-35	lock eccentric	2
E-36	rip fence lock rod	1
E-37	rip fence handle	1
E-38	rip fence cover	1
E-43	washer 4	2



# Parts List/Breakdown for the 10/12" Saw Table...



## DIAGRAM F



No.	DESCRIPTION	Qty
F-1	sliding table	1
F-2	long round rail	1
F-3	O-shape rubber ring $\Phi 20$	2
F-4	stop block	2
F-5	cross recessed countersunk head screw M6X12	2
F-6	self-locking handle M10X24	2
F-7	washer 10	6
F-8	nut board	2
F-9	hexagon nut M10	2
F-10	adjustment base	2
F-11	hexagon socket cap head screw M10X55	2
F-12	hexagon socket cap head screw M10X30	10
F-13	support bracket	2
F-14	strip-shape nut	2
F-15	end cap for guide rail	2

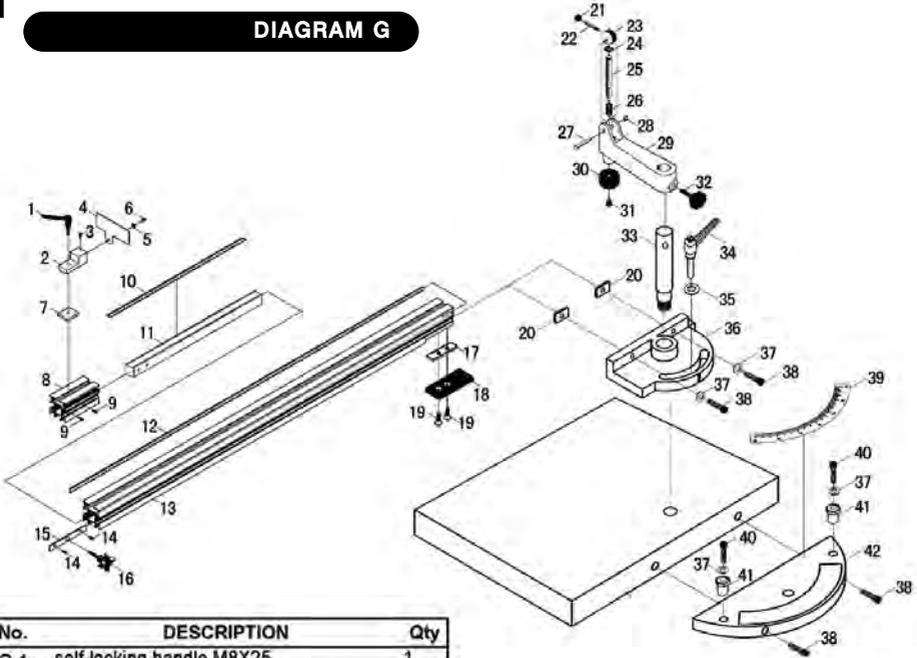
F-16	hexagon socket cap head screw M6X18	10
F-17	washer 6	22
F-18	short round rail	1
F-19	angle bracket	1
F-20	lower bearing base	1
F-21	hexagon socket cap head screw M8X20	16
F-22	bearing 80018	8
F-23	flange nut M8	3
F-24	upper bearing base	2
F-25	guide rail	1
F-26	hexagon socket cap head screw M8X35	8
F-27	washer 8	16



**FREEPHONE 0800 371822**



## DIAGRAM G



No.	DESCRIPTION	Qty
G-1	self-locking handle M8X25	1
G-2	stop block	1
G-3	hexagon socket set screw M5x12	1
G-4	stop board	1
G-5	washer 8	1
G-6	hexagon socket cap head screw M10x20	1
G-7	stop block nut	1
G-8	end stop	1
G-9	cross recessed pan head screw M5X12	2
G-10	ruler	1
G-11	square pole	1
G-12	long ruler	1
G-13	rip fence	1
G-14	hexagon socket set screw M8x8	2
G-15	intermediate plate	1
G-16	handle screw M8X20	1
G-17	nut board	1
G-18	plastic board	1
G-19	hexagon socket countersunk head screw M8X22	2
G-20	strip-shape nut	2
G-21	knob-lever	1

G-22	eccentric lever	1
G-23	cam	1
G-24	circlip for shaft d=14	1
G-25	holder rod	1
G-26	spring	1
G-27	eccentric shaft	1
G-28	circlip for shaft d=8	1
G-29	workpiece clamp	1
G-30	holder	1
G-31	hexagon socket cap head screw M5x16	1
G-32	handle screw M8X20	1
G-33	swing rod	1
G-34	self-locking handle M8X30	1
G-35	large washer 8	1
G-36	graduated disc	1
G-37	washer 6	4
G-38	hexagon socket cap head screw M6X20	4
G-39	ruler	1
G-40	hexagon socket cap head screw M6X30	2
G-41	eccentric sleeve	2
G-42	graduated disc base	1





**FREEPHONE 0800 371822**



10" & 12" Sliding Table Saw

200387/600890



Axminster Reference No's:  
**AW10BSB2 & AW12BSB2**



**AXMINSTER**  
TOOL CENTRE

Axminster Devon EX13 5PH UK

**FREEPHONE 0800 371822**



[www.axminster.co.uk](http://www.axminster.co.uk)

