

# PS315 1600mm Panel Saw



# Index of Contents

EU Declaration of Conformity	02
What's Included	03-04-05-06
General Instructions for 230V Machines	07
Specific Safety Precautions	07-08
Specification	08
Initial Assembly	08-09-10-11-12-13-14-15-16-17-18-19
Machine Footprint	19-20-21
Illustration and Parts Description	21-22-23-24-25-26
Positioning the Machine	27
Setting Up the Machine	28-29-30-31
Operating Instructions	32-33-34-35
Changing the Saw Blade	36-37
Routine Maintenance	38-39
Exploded Diagram/Parts List	40-41-42-43-44-45-46-47-48-49-50-51
Wiring Diagram	52
Notes	53-54-55

## EU Declaration of Conformity

<p><b>Cert No: Circular Saw</b></p> <p>Axminster Tools &amp; Machinery Ltd Axminster Devon EX13 5PH UK <b>axminster.co.uk</b></p> <p>declares that the machinery described:-</p> <table border="1"> <tr> <td>Type</td> <td><b>Panel Saw</b></td> </tr> <tr> <td>Model</td> <td><b>PS315</b></td> </tr> </table> <p>Signed </p> <p><b>Andrew Parkhouse</b> Operations Director      Date: 11/12/2020</p>	Type	<b>Panel Saw</b>	Model	<b>PS315</b>	<p><b>EU Declaration of Conformity</b></p> <p><b>This machine complies with the following directives:</b></p> <p>2006/42/EC 06/42/EC - Annex I/05.2006 EN 60204-1:2006+A1+AC EN 1870-18:2013</p> <p>conforms to the machinery example for which the EC Type-Examination Certificate No BM50302225 has been issued by at:</p> <p>and complies with the relevant essential health and safety requirements.</p>
Type	<b>Panel Saw</b>				
Model	<b>PS315</b>				

The symbols below advise the correct safety procedures when using this machine.



Fully read manual and safety instructions before use



Ear protection should be worn



Eye protection should be worn



Dust mask should be worn



Two Man Assembly



HAZARD  
Motor gets hot

## What's Included

Quantity	Item	Model Number			
1	PS315 1600 Panel Saw	PS315/230			
	<b>Part</b>	<b>Part</b>			
1	Main Saw Assembly	<b>0</b>	1	Right Hand Pressed Steel Table	<b>11</b>
1	Sliding Table Extension Support Arm	<b>1</b>	1	Rear Extension Table	<b>12</b>
1	Rip Fence Control Assembly	<b>2</b>	1	Sliding Table Extension Assembly	<b>13</b>
1	Mitre Fence Assembly for (Sliding Table)	<b>3</b>	1	Sliding Table Extension Support Bar	<b>14</b>
1	Workpiece Support Shoe	<b>4</b>	1	Operating Wheel Handle	<b>15</b>
1	Push Stick	<b>5</b>	1	Extraction Moulding Outlet	<b>16</b>
1	Rear Table Support Bracket	<b>6</b>	1	Crown Guard and Hose Assembly	<b>17</b>
1	Fence Clamping Handle		1	Sliding Table Assembly	<b>19</b>
	Fence Assembly Clamping Handle	<b>7</b>	1	Rip Fence Rail Shaft	<b>20</b>
1	Right Hand Table Support Leg	<b>8</b>	1	Rip Fence	<b>21</b>
1	NVR Switch Emergency Stop Lever	<b>9</b>	1	Workpiece Clamp Shaft	<b>22</b>
1	Right Hand Cast Iron Table	<b>10</b>	1	Sliding Table Fence Assembly and distance stop	<b>23</b>
			1	Rip Fence Scale	<b>24</b>
<b>Bags Comprising</b>		<b>18</b>			
1	Hose Support Bracket	<b>B</b>	1	Locking Pin KNOB for (Rise & Fall Wheel)	<b>F</b>
1	Blade Locking Bar	<b>C</b>	1	Sliding Table Locking Knob	<b>G</b>
1	L Handle 4mm Hex Key	<b>D</b>	6	Hex Keys 8-6-5-4mm	<b>H</b>
1	Spanner 17-13mm	<b>E</b>	1	Sliding Table Operating Handle	<b>I</b>
			6	Scoring Blade Spacers	<b>J</b>
1	User Manual		2	100mm and 50mm Clips	



Panel Saw Box Crates



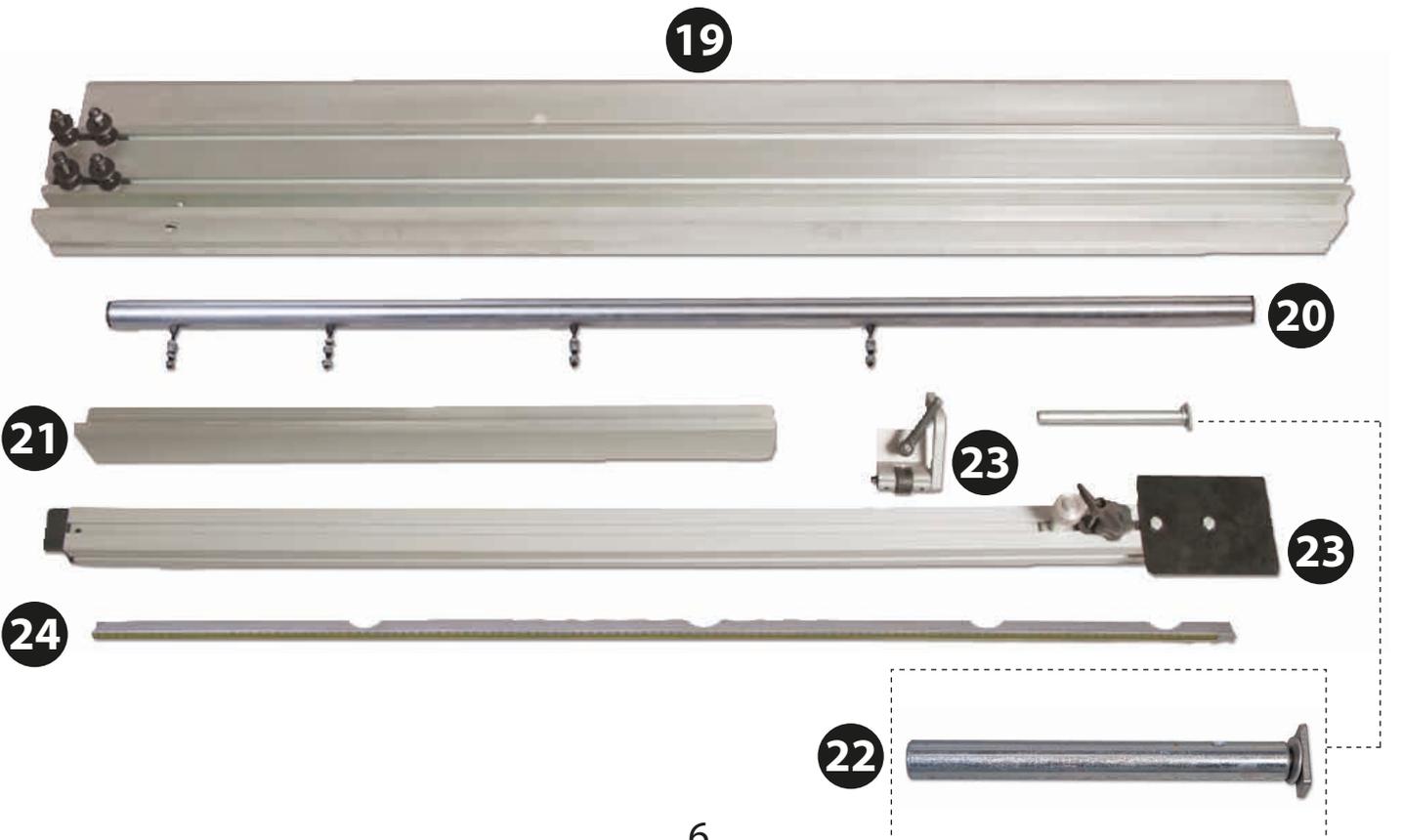
Main Saw Assembly

# What's Included





# What's Included



# General Instructions for 230V Machines

The following 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 REACH OF YOUNG CHILDREN**



**KEEP WORK AREA AS UNCLUTTERED AS IS PRACTICAL. UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN WORK AREAS.**

## Mains Powered Tools

- Tools are supplied with an attached 16 Amp plug.
- Inspect the cable and plug to ensure that neither are damaged. Repair if necessary by a suitably qualified person.
- Do not use when or where it is liable to get wet.

## Workplace

- Do not use 230V a.c. powered tools anywhere within a site area that is flooded.
- Keep machine clean.
- Leave machine unplugged until work is about to commence.
- Always disconnect by pulling on the plug body and not the cable.

- Carry out a final check e.g. check the cutting tool is securely tightened in the machine and the correct speed and function set.
- Ensure you are comfortable before you start work, balanced, not reaching etc.
- Wear appropriate safety clothing, goggles, gloves, masks etc. Wear ear defenders at all times.
- If you have long hair wear a hair net or helmet to prevent it being caught up in the rotating parts of the machine.
- Consideration should be given to the removal of rings and wristwatches.
- Consideration should also be given to non-slip footwear etc.
- If another person is to use the machine, ensure they are suitably qualified to use it.
- Do not use the machine if you are tired or distracted
- Do not use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases.
- Check cutters are 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.
- **OBSERVE....** make sure you know what is happening around you and **USE YOUR COMMON SENSE.**

## Specific Safety Precautions

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 damaged 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.

**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.



**FOR YOUR OWN SAFETY NEVER OPERATE THE TABLE SAW WITHOUT THE RIVING KNIFE IN PLACE!**

**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.

# Specific Safety Precautions

**Do not** attempt to carry out cross cutting operations 'freehand', always use the mitre fence for small material and the sliding carriage for larger workpieces. 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 that 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.

## Specification

Code	101256
Model	PS315
Rating	Trade
Power	2.6kW (max input) 2.2kw output 230V 1ph
Blade Dia/Bore	254, 305 or 315mm x 30mm x 3mm
Blade Tilt	0-45°
Scoring Blade Diameter	90mm
Max Depth of Cut @ 45°	80mm (315)
Max Depth of Cut @ 90°	100mm (315)
Max Width of Cut with Fence	1,220mm
Table Size	385 x 800mm
Table Height	865mm
Sliding Table Size	1,600mm x 270mm
Dust Extraction Outlet	100mm
Min Extraction Airflow Required	1,000m <sup>3</sup> /hr
Overall L x W x H	1,600mm x 1,540mm(+740mm crosscut table) x 865mm
Weight	255kg

## Initial Assembly



**PLEASE NOTE:** Some of this assembly procedure is best accomplished by two persons, 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.

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

**PLEASE NOTE: The panel saw comes 80% assembled, in order to reduce the footprint of the machine for packaging, several items are dismantled from the machine and need to be re-affixed. please check all the boxes, packets etc, to make sure that all the parts have been accounted for.**

Having unpacked the boxes, (please dispose of any unwanted packaging responsibly), put the parts and components where by 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. Remove the protective grease film that is coating all the unpainted parts of the machine. Use a proprietary de-greasing agent. Unfortunately, this cleaning process is always a bit 'mucky'. You are advised to wear overalls or coveralls etc., during the process. After cleaning, lightly coat the exposed metal surfaces with 'anti rust' oil spray to prevent any rusting.

### Main Saw

1. Remove the side access panel by removing the nuts and washers. Raise the saw assembly up using the 'Rise/Full' operating handle and remove the box within, see fig A
2. Locate the crown guard and hose assembly (17) and the dust extraction moulding (16). Remove the four self tapping Phillips screws/washers from around

**Fig A**

Rise and fall operating wheel



the machine cutout to the rear of saw frame. Insert the moulding (16) into the round machined cut-out, line up the pre-drilled holes and secure in place with the fixings you removed earlier, see figs 01.

3. Place a hose clip over the end of the flexible hose, insert the end of the hose over the extraction moulding and secure in position, see fig 02-03.

**Fig 01-02-03**



4. Locate the RED emergency stop lever (9) and remove the two Phillips screws and nuts. Line up the holes in the hinges with the ones on the NVR switch housing, insert the Phillips screws through the hinges and replace the nuts. Lightly tighten sufficiently to allow the lever to move freely, see fig 04-05.

**Fig 04-05**



## 45° Operating Wheel

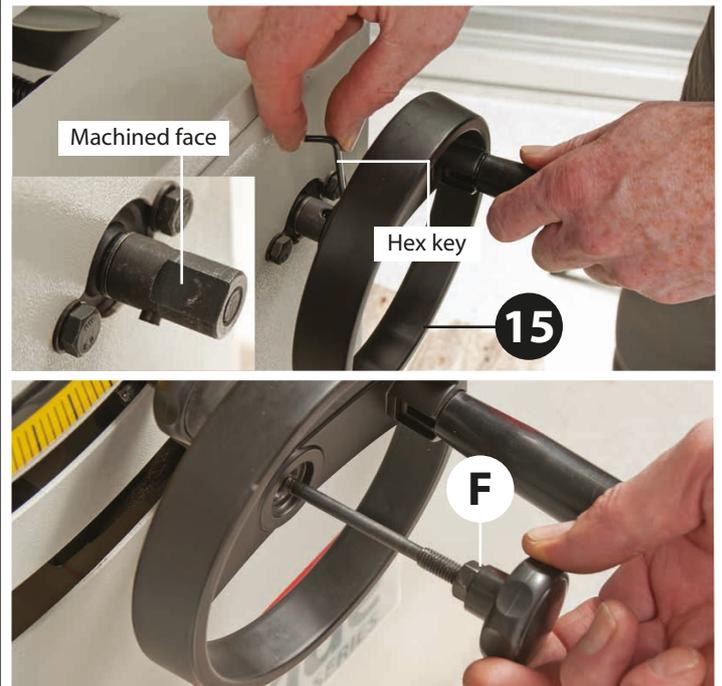
5. Locate the hand wheel (15). Undo the grub screw with the supplied Hex key to the hand wheel (15), slide the wheel onto the drive shaft and re-tighten the grub screw, see figs 06-07. **DO NOT OVER-TIGHTEN**

**NOTE: Make sure you line up the grub screw with the machined surface on the drive shaft.**

## Rise/Full Locking Pin Knob

6. Locate the locking pin knob (F), insert the threaded shaft through the centre of the rise and full operating wheel and lightly tighten, see fig 08.

**Fig 06-07-08**



## Right Hand Extension Tables



**WARNING!! THE CAST IRON EXTENSION TABLE IS VERY HEAVY YOU WILL REQUIRE A SECOND PERSON TO HELP!**

1. Locate the two extension tables (10-11) and the right hand table support leg assembly (8). Remove the four M8x25mm bolts and washers from the side of the saw's main table (0) and place safely aside, see fig 09-10.

**Fig 09-10**



# Initial Assembly

2. Offer up the pre-drilled holes in the cast iron table (10) with the holes in the main saw table (0) and lightly secure using the four M8 bolts and washers you removed earlier with the supplied spanner, see fig 11 **DO NOT FULLY TIGHTEN AT THIS POINT.**

**Fig 11**



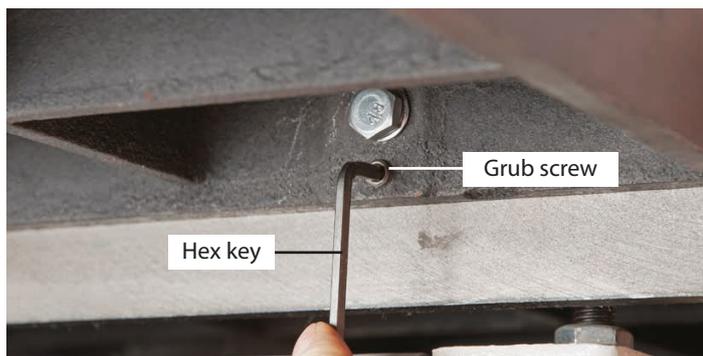
3. Place a straight edge across both tables and check they are level with each other, see fig 12. If there is any deviation between the tables adjust the four grub screws below each M8 bolt, see fig 13.

**Fig 12**



**NOTE: Make small adjustments (clockwise to raise the table and anticlockwise to lower the table), checking as you go, moving the straight edge across the tables until they are perpendicular. Once you are satisfied tighten the four M8 bolts.**

**Fig 13**



4. Locate the pressed steel table (11) and the support leg (8), remove the two bolts, washers and nuts from the support leg, line up the two mounting holes in the support leg with the two centre holes in the pressed steel table (11) and secure the leg support to the table with the fixings you removed earlier, see fig 14.

**Fig 14**



5. Loosen the cap head screws and adjust the support leg (8) length to give you extra support when mounting the table (11), see fig 15. Retighten when satisfied.

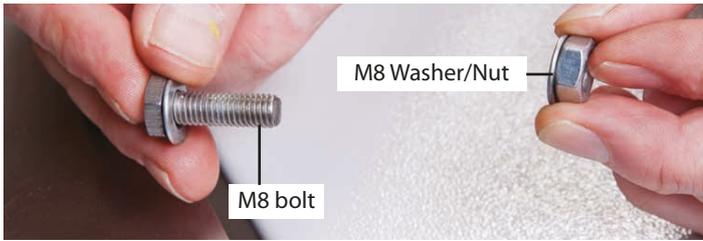
**Fig 15**



6. Remove the four bolts, washers and nuts from the pressed steel table (11). Line up the holes in the pressed steel table with the ones in the cast iron table (10) Insert the bolts through the pre-drilled holes and lightly secure with the fixings you removed earlier, see fig 16-17.

**Fig 16-17**





7. Place a straight edge across the tables as before, adjust the table support leg (8) as described in step 5, until the pressed steel table (11) is level with the cast iron table (10), see fig 18. When they are both level clamp the tables firmly together by tightening the four bolts beneath the cast iron table, see fig 19-20.

**Fig 18-19-20**



### Rip Fence

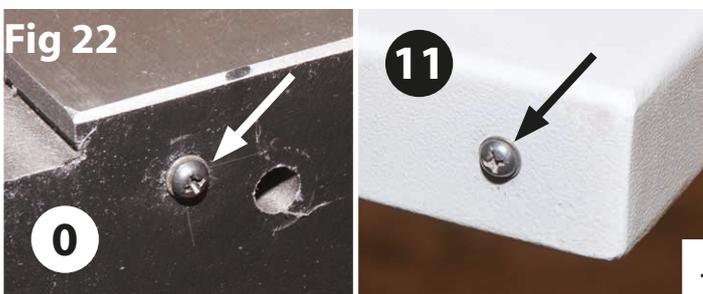
Put to hand the rip fence rail shaft (20), rip fence (21), rip fence scale (24) and rip fence control assembly (2).

1. Locate the fence rail shaft (20), remove the end nut from each of the threaded studs and place safely aside, see fig 21.

**Fig 21**

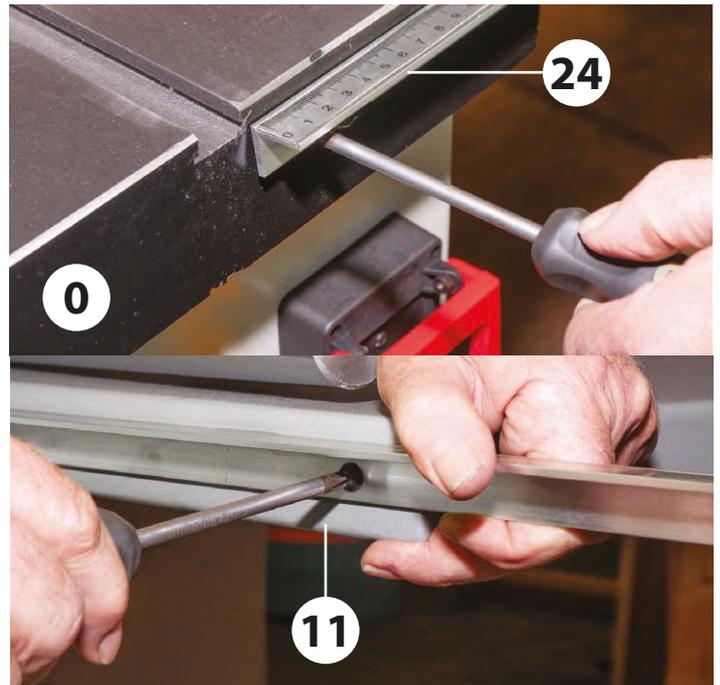


2. Remove the two Phillips screws one from the side of the main saw table (0) and the other from the pressed steel table (11), see fig 22.

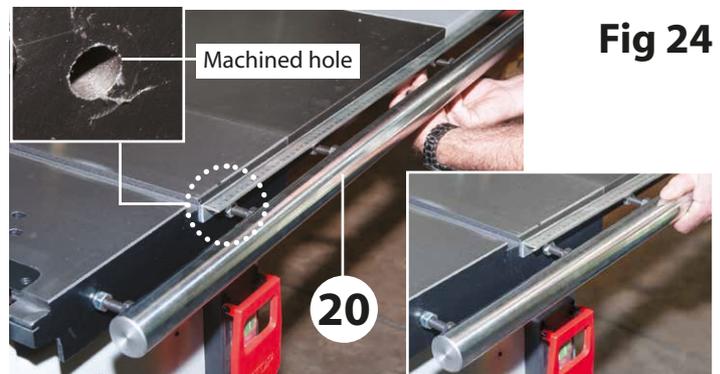


**Fig 22**

**Fig 23**



3. Locate the rail rip fence scale (24), lineup the pre-drilled holes in the scale with threaded holes in both tables and secure using the Phillips screws you removed earlier, see fig 23. Insert the threaded studs on rail shaft (20) into the four machined holes to the side of the tables, replace the nuts you removed earlier and tighten the assembly, see fig 24.



**Fig 24**

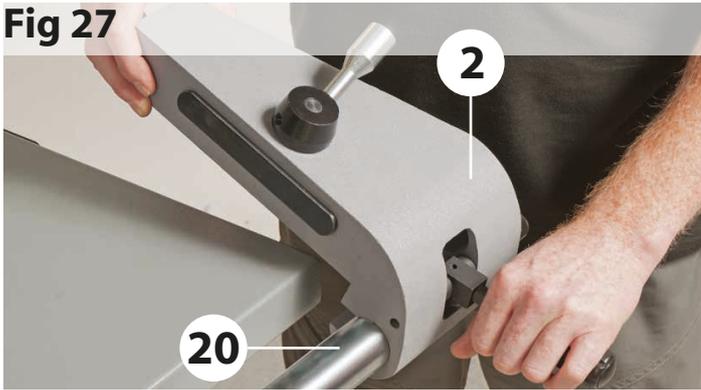
4. Find the rip fence control assembly (2), the fence assembly and fence clamping handles (7). Screw on both handles to the fence control assembly (2), see fig 25-26. Slide the control assembly (2) onto the fence rail shaft (20), see fig 27.

**Fig 25-26**



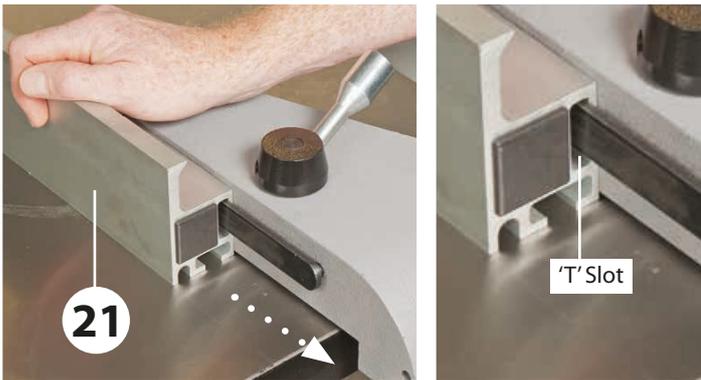
# Initial Assembly

**Fig 27**



5. Release the clamping handle on top of the control assembly (2), which releases tension on the clamping bar, see 28. Line up one of the 'T' slots in the rip fence assembly (21) with the clamping bar and slide the fence on, see fig 29-30. Position the fence so it's flush with the opposite end of the table and tighten the clamping handle to lock the fence in place, see fig 31.

**Fig 28-29-30-31**



5. Raise the clamping handle on the control assembly (2) and position the rip fence so it's in line with the edge of the main table's 'T' slot, push the handle down to lock in place, see fig 32. If the fence is out of alignment loosen

**Fig 32**



the nuts holding the fence rail shaft (20), adjust the shaft until the rip fence (21) is in alignment. Re-secure the rail shaft, see 23-24 on previous page.

## Sliding Table

You will require the following, the sliding table extension support arm (1), sliding table assembly (19), sliding table fence (23), sliding table extension (13), sliding table extension support bar (14) mitre fence (3) for sliding table, workpiece clamp shaft (22) and workpiece support shoe (4).

1. Remove the four 'T' mounting bolts from the sliding table (19), see fig 33. Remove the two plastic panels to either end of the machine and loosely secure the 'T' mounting bolts/washers through the four elongated slots on top of the main saw assembly (0), see fig 34-35-36

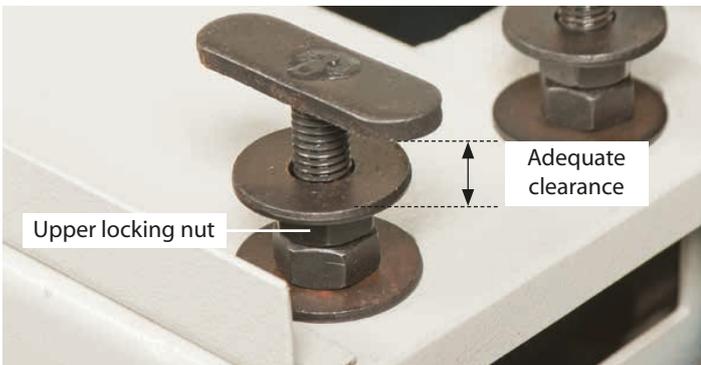
**Fig 33-34-35-36**





 **NOTE: YOU WILL REQUIRE HELP FOR THIS NEXT STEP!**

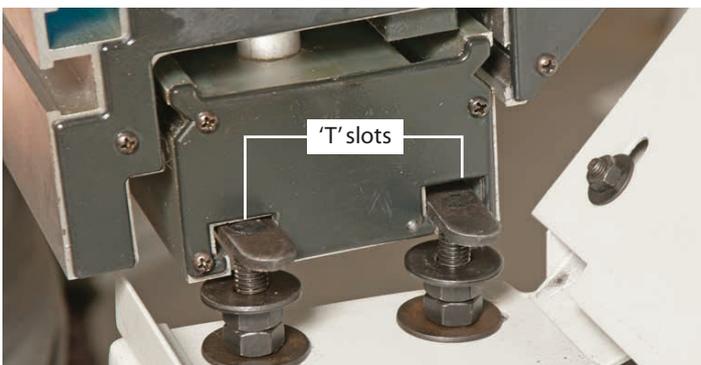
**2.** Loosen the upper locking nuts to each bolt to give adequate clearance when mounting the sliding table, see picture below.



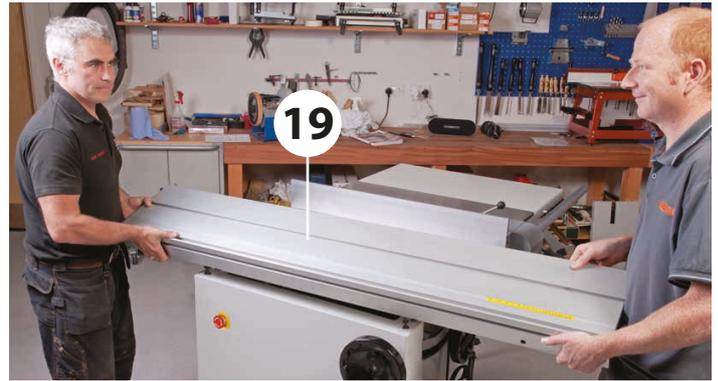
**3.** With assistance, insert the first two 'T' mounting bolt heads into the two 'T' slots to the end of the sliding table assembly (19), see fig 37. Slide the table on and repeat the process to the opposite end of the main saw table (0).

**4.** Position the sliding table (19) so its over hangs equally to both end of the main table (0), see fig 38-39. Tighten the upper locking nuts to secure the table (19) in place.

**Fig 37**



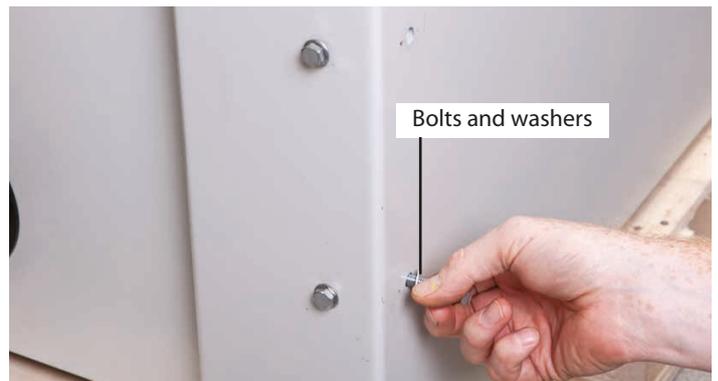
**Fig 38-39**



### Sliding Table Extension

**1.** Remove the four bolts and washers from the bottom corner of the main saw tables frame, see fig 40. Locate the extension support arm (1), line up the holes in the support bracket with the holes in the saw frame and secure with the bolts/washers you just removed, see fig 41.

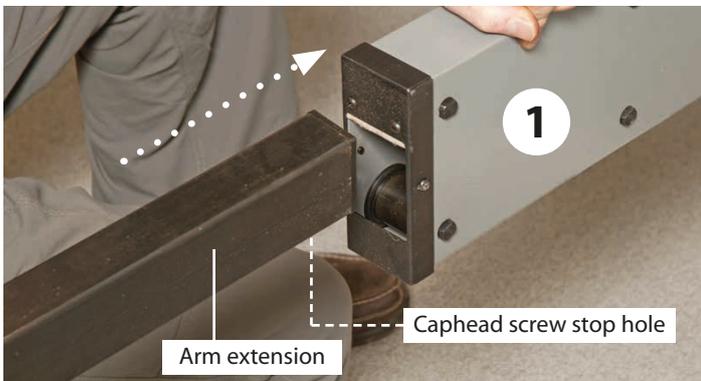
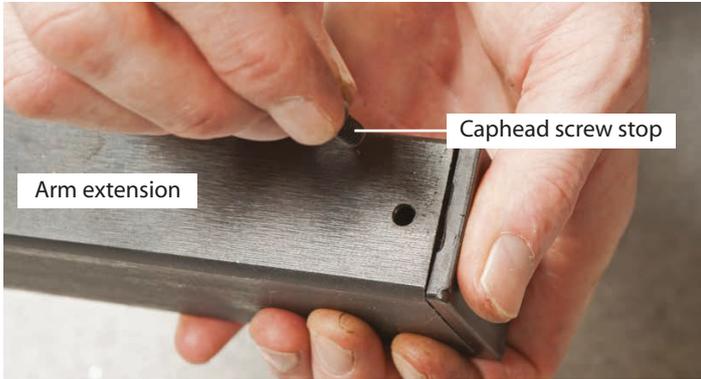
**Fig 40-41**



## Initial Assembly

2. Locate the sliding table extension (13). Open up the supporting arm (1), Remove the caphead screw stop from the supporting arm extension, see fig 42 and place aside. Insert the extension through the supporting arm (1) and replace caphead screw, see fig 43-44.

**Fig 42-43-44**

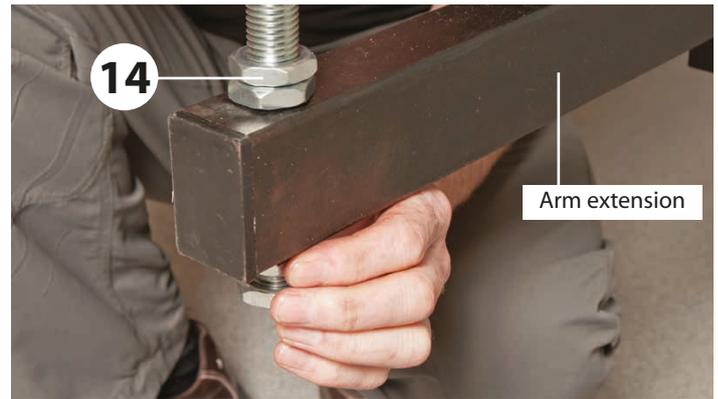


3. Locate the sliding table extension support bar (14), remove the two nuts from the threaded end and place aside. Insert the support bar down through the pre-drilled hole to the end of the supporting arm extension and lightly secure in place with the two nuts, see fig 45.

4. Remove the mounting bracket from the end of the supporting arm (14). Turn the table extension (13) over and remove the two centre bolts/washers. Place the mounting bracket onto the table and line up the pre-drilled holes with the ones in the table, secure the bracket in place with the bolts you just removed, see fig 46.

5. Lower the extension table (13) down so the recess hole in the mounting bracket inserts down over the support

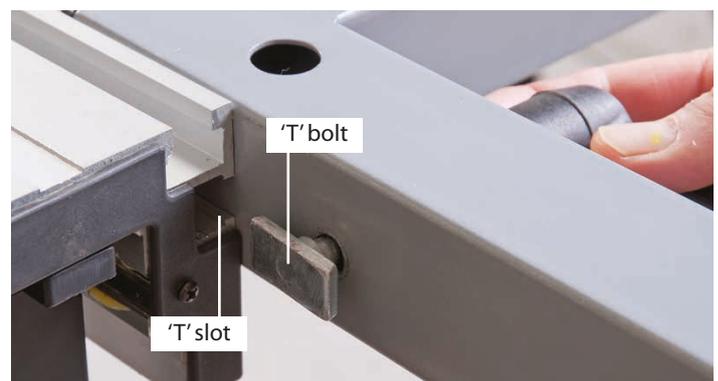
**Fig 45-46**



bar (14). Line up the two 'T' bolts on the extension table with the 'T' slots to the side of the sliding table (19) and slide on the extension table, see fig 47. Lock the extension table in place with the two lift and shift handles, see fig 48.

6. Slide the operating handle (l) into the 'T' slot from the right hand side to the front of the sliding table (19), turn the handle clockwise to tighten, see fig 49-50.

**Fig 47-48**



**Fig 49-50**



7. Locate the fence assembly (23) for the sliding table (19), remove both the clamping knob and lift and shift handle from the fence and place to one side. Lower the fence on top of the table extension (13), insert the larger threaded pin into one of the pre-drilled holes to the corners of the table extension (13). Insert the other between the centre column of the table then replace the clamping knob and handle, see fig 51-52-53. Don't tighten at this point.

8. Lift-up the 90° stop located to the corners of the extension table, push the fence up against the stop, see fig 54-55.

**Fig 51-52-53**

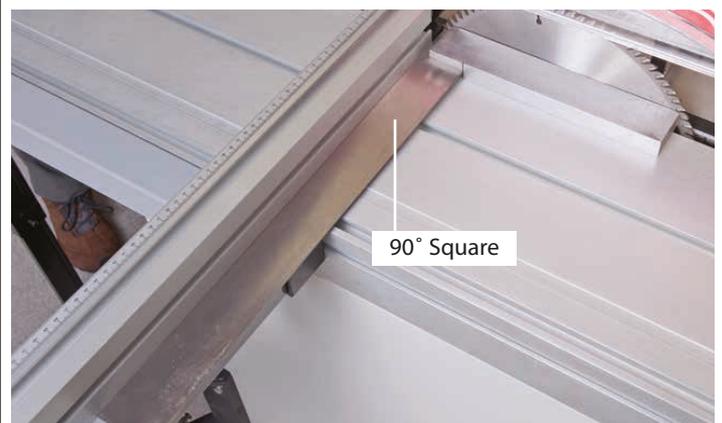


**Fig 54-55**



Using a 90° square, place it against the fence and the blade (not on the teeth), check that the angle is correct, if not, adjust the 90° stop cam by turning the Phillips screw until the fence is square to the blade, see fig 56-57.

**Fig 56-57**



# Initial Assembly



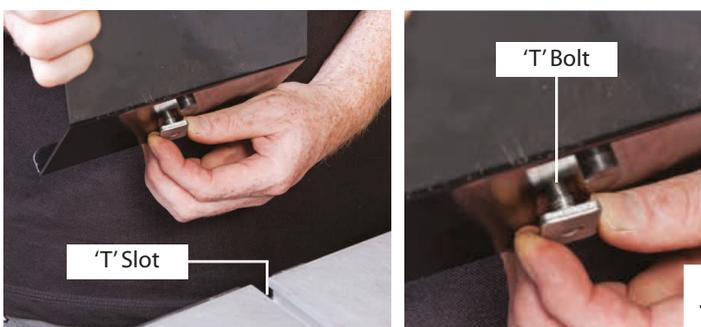
9. Place a straight edge across both tables and check they are level with each other, see 58. If there is any deviation between the tables adjust the nuts on the supporting arm pin (1), to raised or lower the extension table (13), see fig 59. Once level tighten the nuts on the supporting pin.

**Fig 58-59**



10. Locate the Workpiece support shoe (4), insert the 'T' bolt into the 'T' slot to the left side of the sliding table (19), slide the shoe on and clamp in place with the clamping knob, see fig 60-61-62

**Fig 60-61-62**



11. Locate the sliding table distance stop assembly (23). Loosen the clamping handle on the distance stop, insert the 'T' bolt into the 'T' slot to the end of the telescopic fence section (23) and slide the distance stop on, see fig 63. Tighten the clamping handle to secure in place.

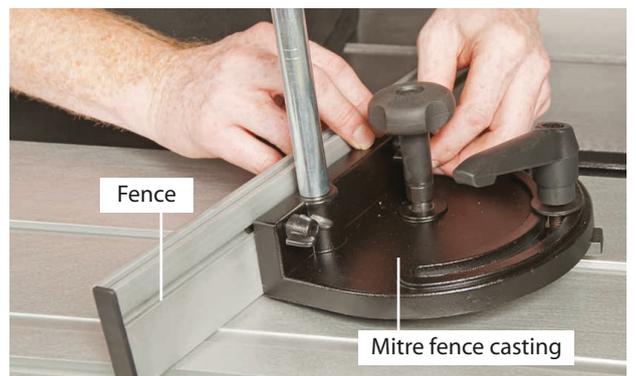
**Fig 63**



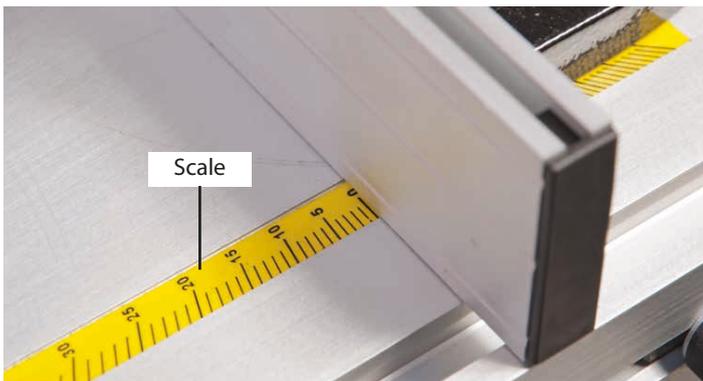
12. Locate the sliding table mitre fence (3) which includes the overhead clamp, the fence and mitre fence casting. Remove the two butterfly knobs from the fence, inset the threaded 'T' bolts through the two pre-drilled holes in the mitre fence casting and replace the butterfly knobs. Lightly tighten, see fig 64.

13. Line up the 'T' bolt in the mitre fence casting (3) with the 'T' slot to the opposite side of the sliding table (19), slide the assembly on until its up against its stop, see fig 65-66. The mitre fence should line up with '0' marker on tables scale, see 67, if not, adjust fence until correct and tighten the clamping knob and handle.

**Fig 64**

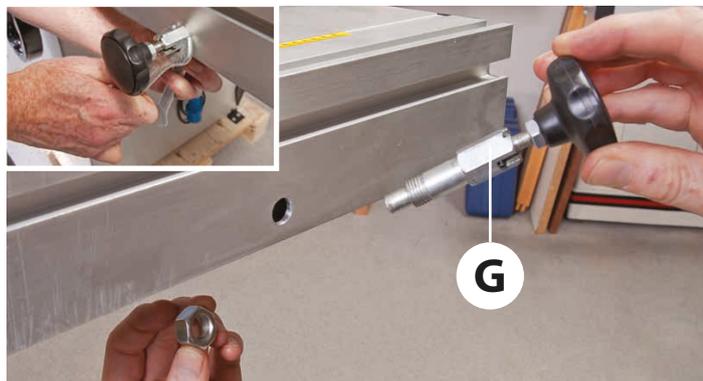


**Fig 65-66-67**



**14.** Put to hand the sliding table locking knob (G), remove the nut from the thread and insert the assembly into the pre-drilled hole to the front of the sliding table (19). Replace the nut and tighten, see fig 68-69.

**Fig 68-69**



**15.** Pull out and twist the locking knob into the outer position, move the table and lower the pin until it engages into the inner hole, thus locking the table in position, see figs 70-71.

**Fig 70-71**



## Rear Extension Table

**1.** Locate the rear extension table (12) and supporting bracket (6). Remove the two bolts, washers and nuts, line up the holes in the table (12) with the holes to the rear of main table (0) and replace fixings. Finger tighten at this point, see fig 72-73.

**Fig 72-73**



**2.** Slot the machined cutout to the end of the angled bracket (6) over the threaded bolt beneath the table to the side of the machine, see fig 74-75 and lightly tighten. Remove the bolt, washer/nut from beneath the table (12), line up the hole to the opposite end of the bracket (6) with hole in the table and replace the bolt, washer/nut and securely tighten, see fig 76.

**Fig 74-75-76**



## Initial Assembly

3. Place a straight edge across the rear and sliding tables (12-19), see fig 77 adjust the rear table (12) until both tables are level. Securely tighten the threaded bolt to the side of the machine to lock the table in position, see fig 74.

**Fig 77**



4. Position the straight edge so it's across the main saw table (0) and the rear extension table, see fig 78. Adjust until both tables are level with each other. Tighten the two bolts to securely clamp the table in position, see fig 79.

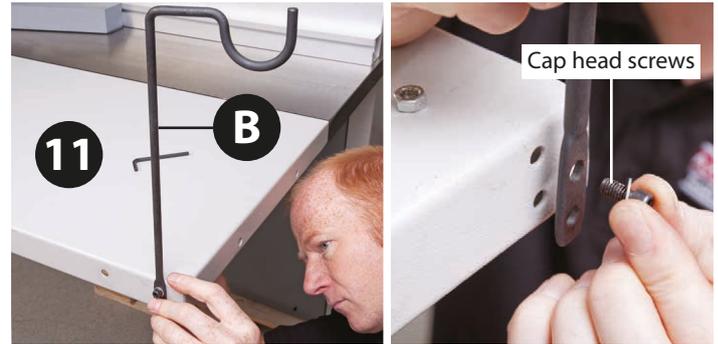
**Fig 78-79**



### Hose Support Bracket

Locate the hose support bracket (B), remove the two cap head screws, washers, nuts and place close at hand. Line up the holes with the ones to the rear of the right hand extension table (11) and secure using the bolts, washers, nuts you removed earlier, see fig 80-81.

**Fig 80-81**



### Crown Guard & Hose

**NOTE: Three sizes of saw blades can be fitted to this panel saw, 254mm, 305mm and 315mm. If you change your main blade to a different size make sure to attach the crown guard to the correct position in the riving knife to allow the crown guard to cover the blade, see fig 83.**

1. Locate the two 50mm hose clips. Place a hose clip over one end of the hose, inset the hose over the crown guards dust extraction outlet and tighten the clip to secure.

2. Loosen the lift and shift handle on the crown guard assembly (17), slot the clamping bolt down into the (315mm) machined cutout in the riving knife and tighten the handle to secure the crown guard in position, see fig 82-83-84.

**Fig 82-83-84**

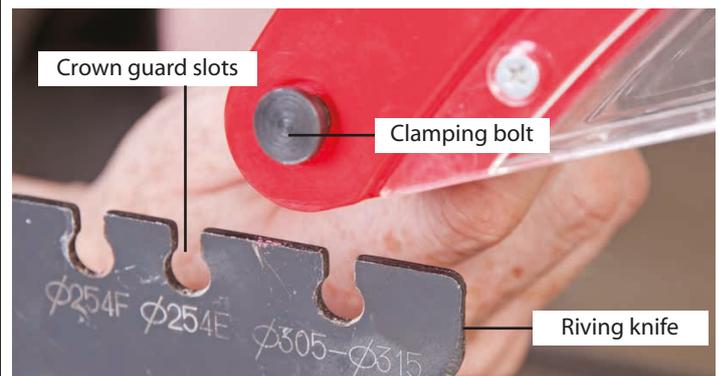


Fig 85-86

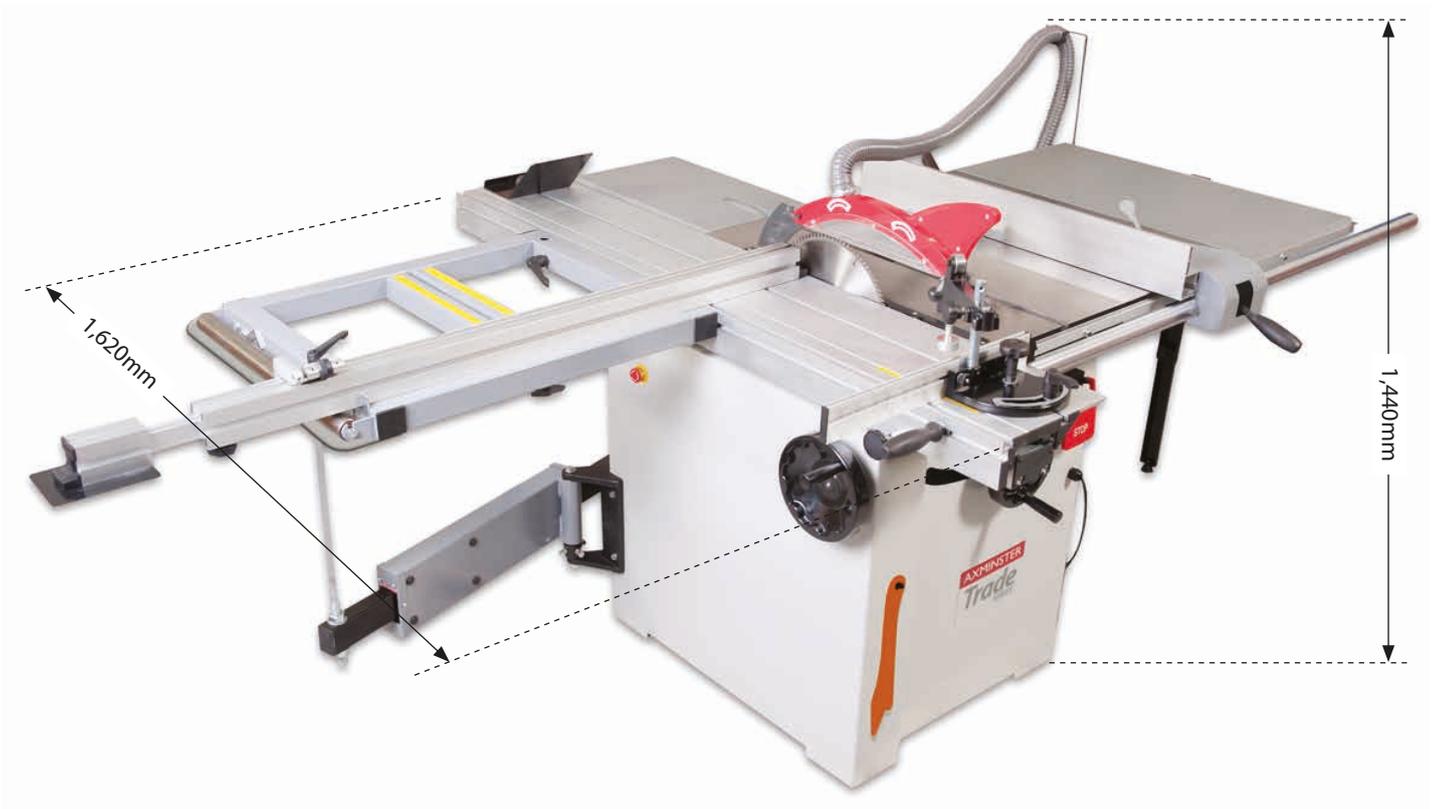


**3.** Place the remaining 50mm hose clip over the opposite end of the hose and slot the hose down over the 50 mm outlet on the dust extraction moulding (16) to the rear of machine and tighten, see fig 85.

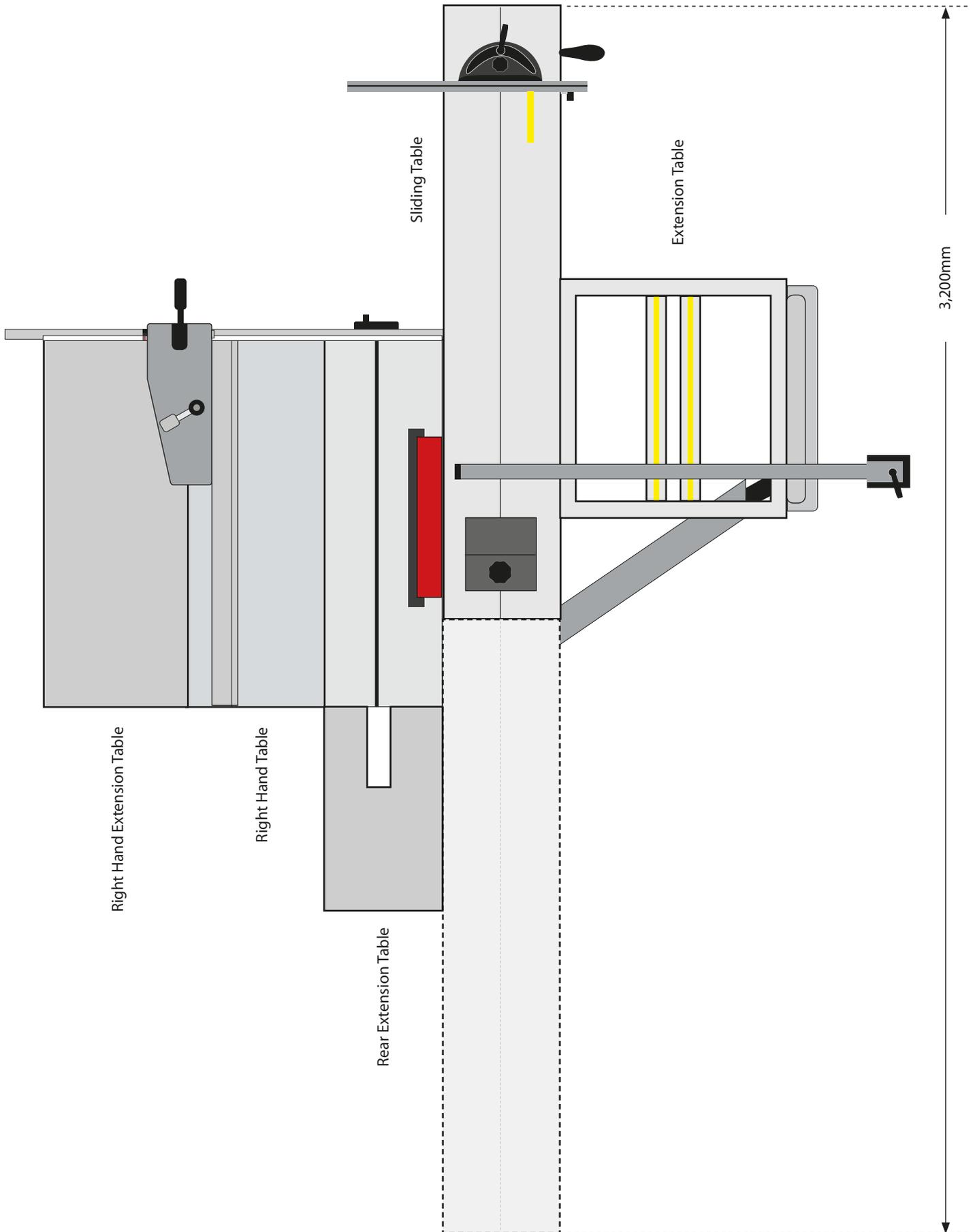
**4.** Slot the flexible hose down into the hose support bracket (B), see fig 86.



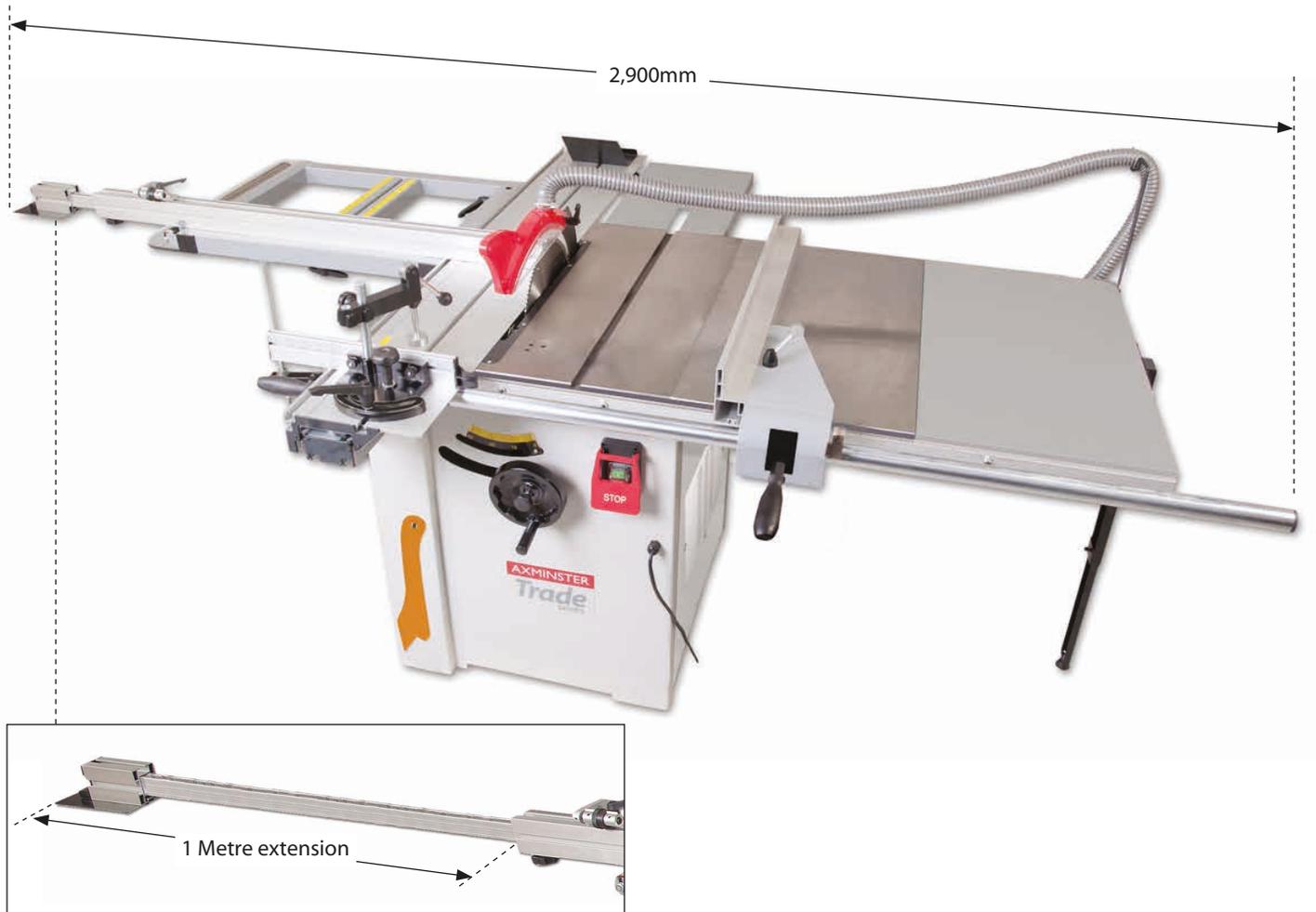
## Machine Footprint



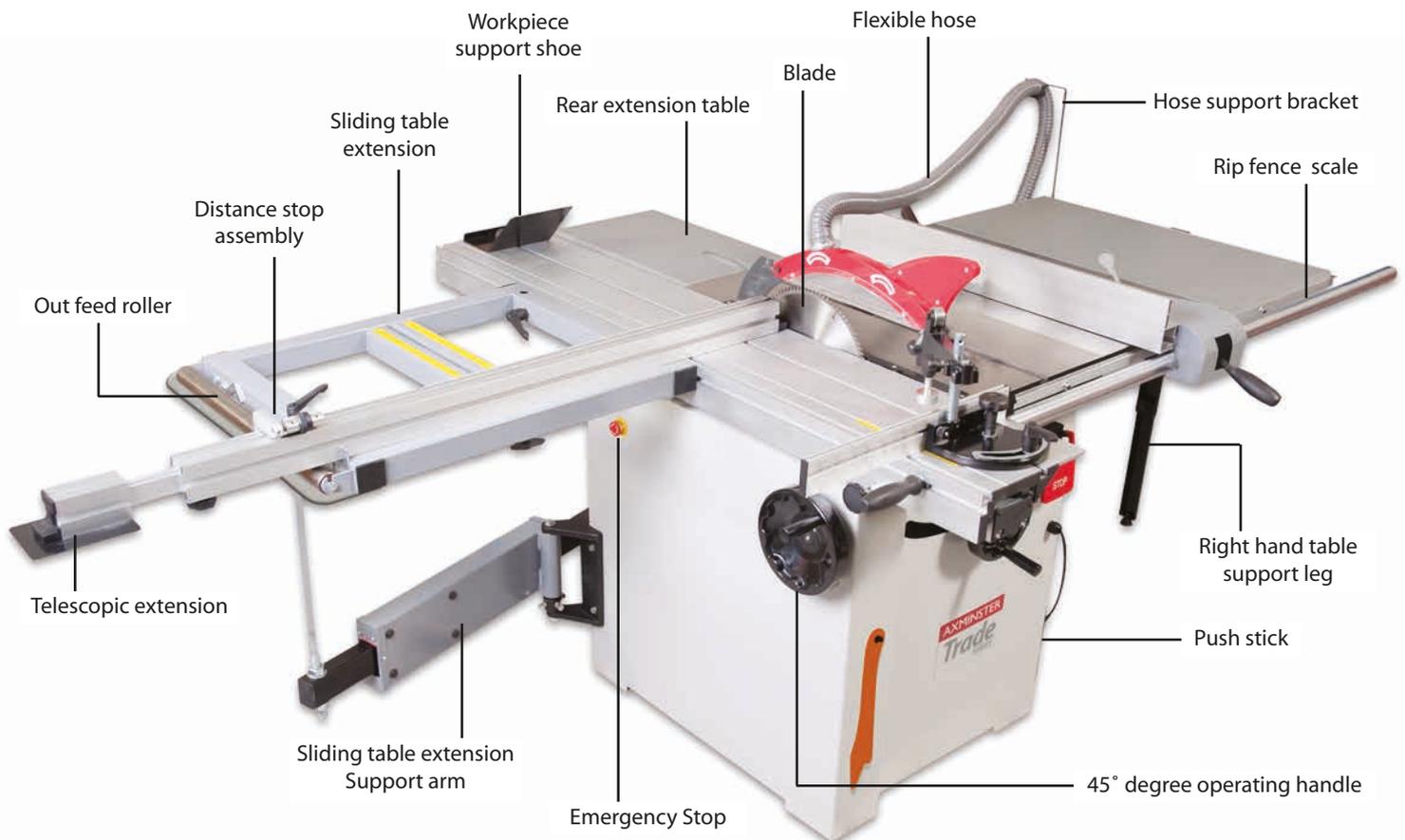
# Machine Footprint



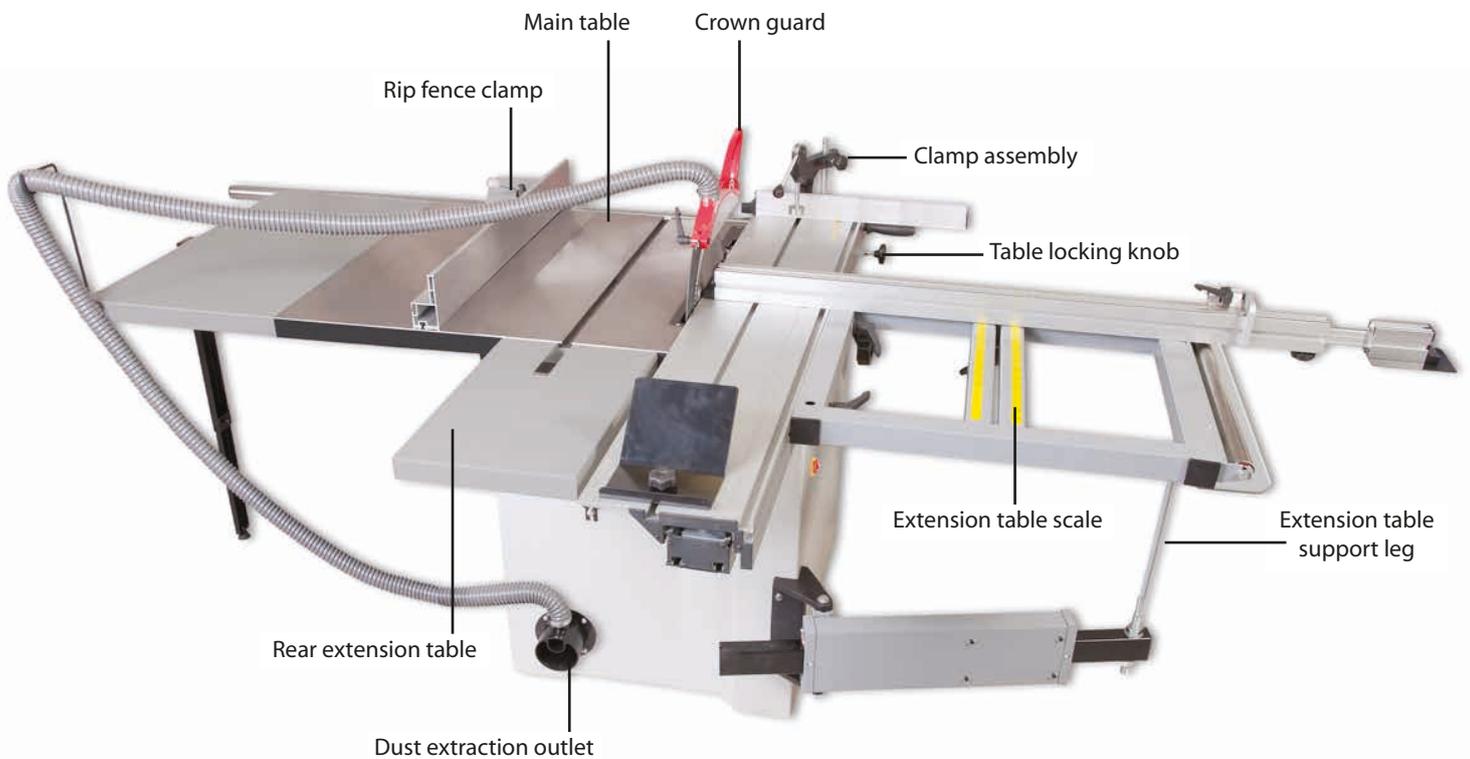
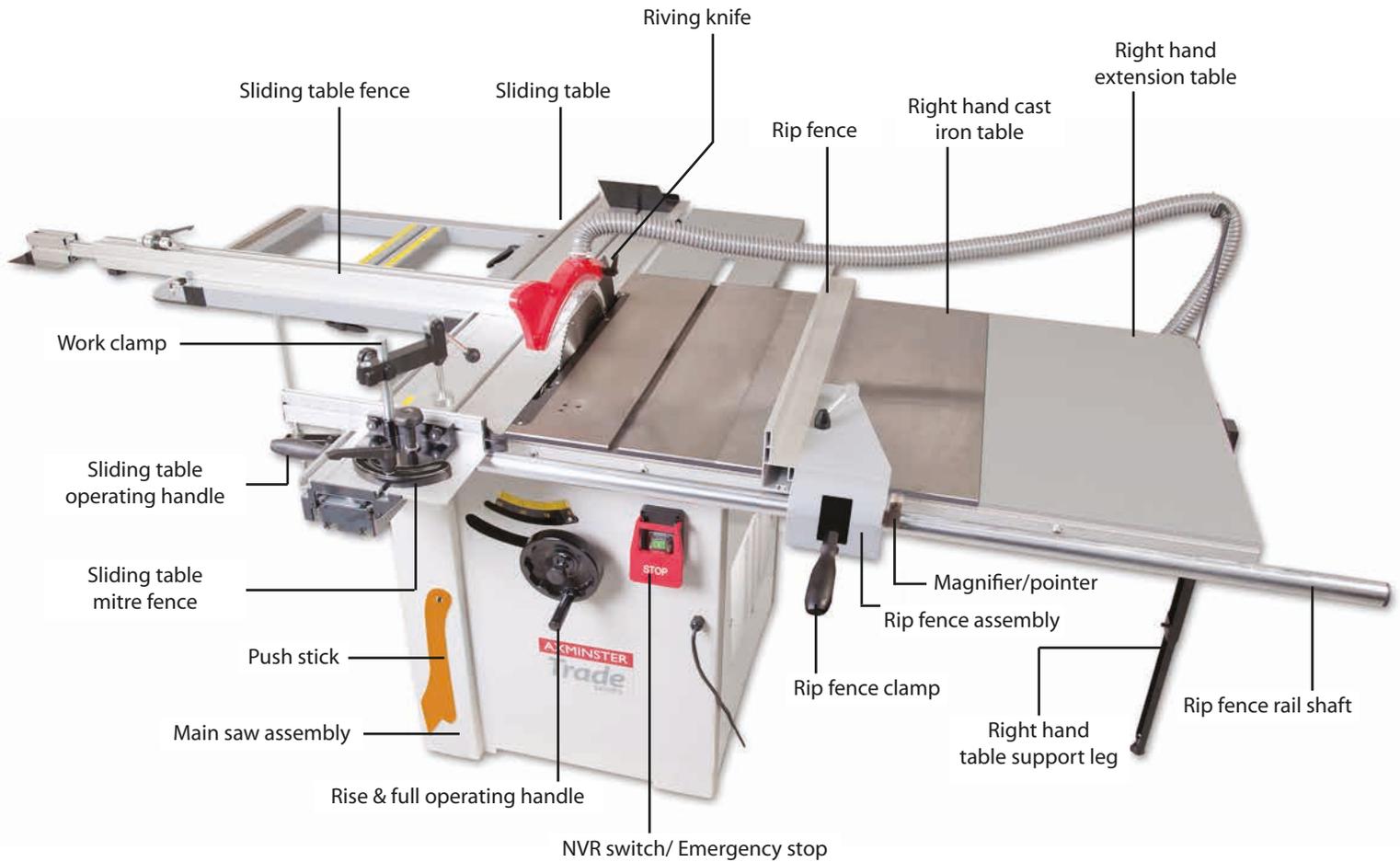
# Machine Footprint



## Illustration and Parts Description



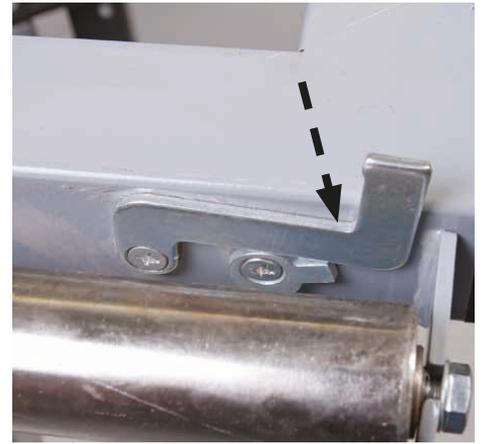
# Illustration and Parts Description



# Illustration and Parts Description



Rip fence control assembly guide bearings



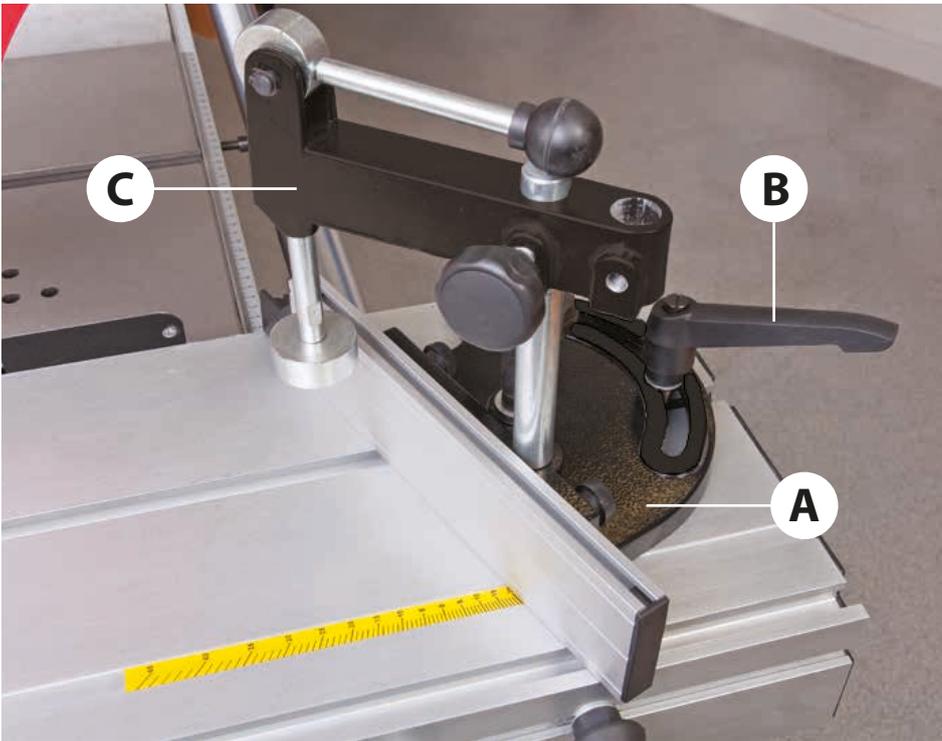
Extension table 90° degree stop



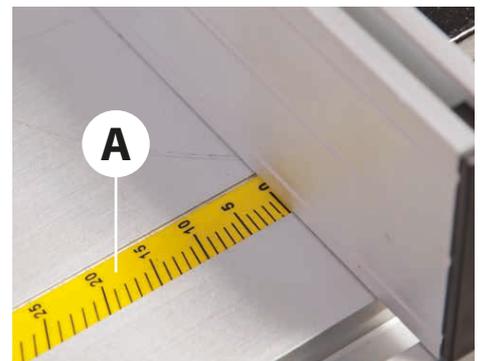
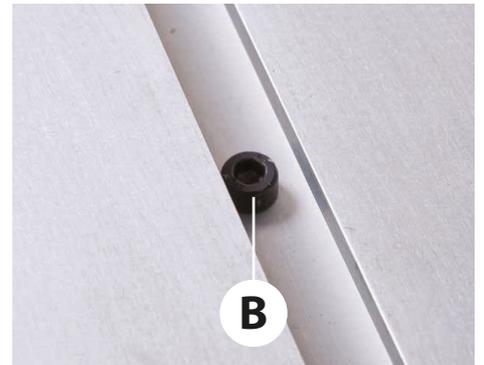
Distance stop assembly  
Loosen the lift & shift handle  
to reposition the stop



For fine adjustment turn  
the adjusting knob, (A)

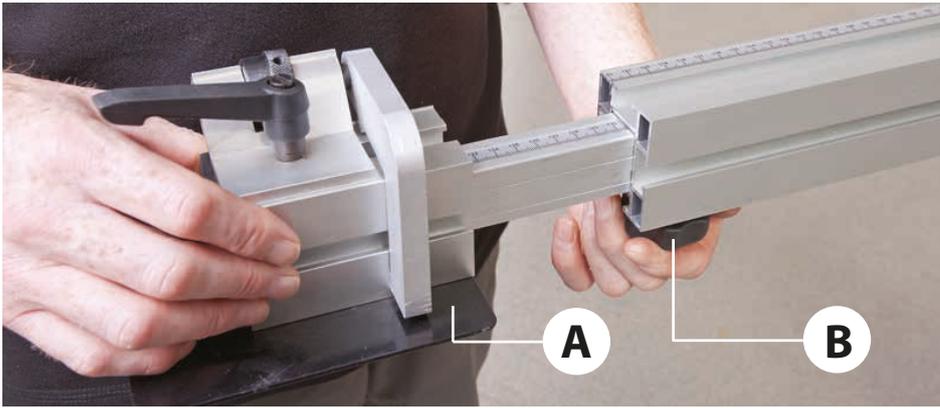


Sliding table mitre fence with overhead clamp (A),  
Fence angle clamp (B), Overhead clamp (C)



Mitre fence scale (A),  
Mitre fence stop (B)

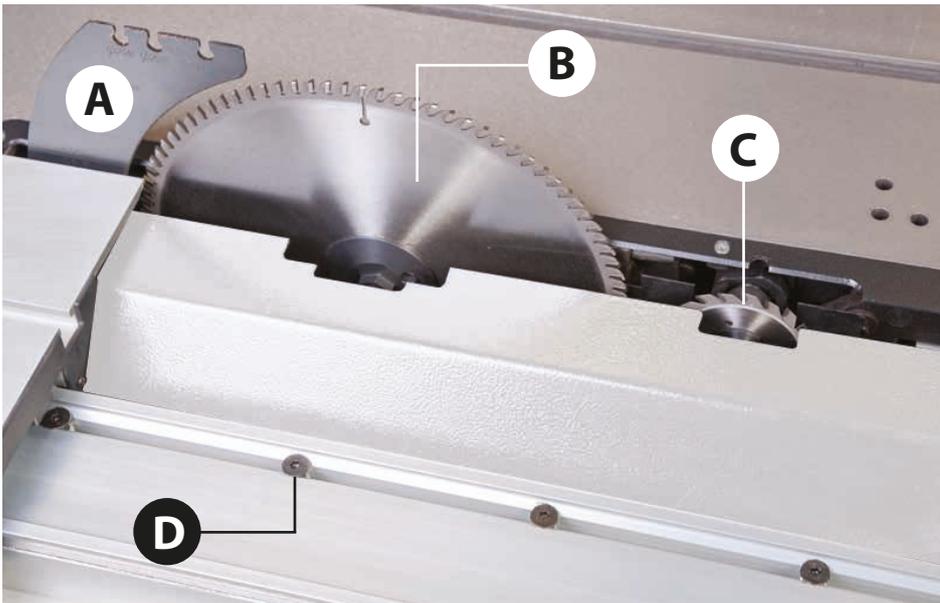
# Illustration and Parts Description



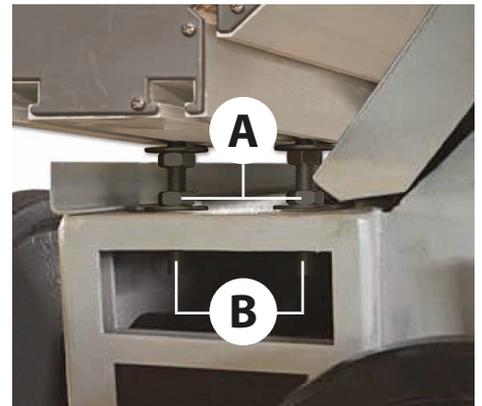
Telescopic fence extension, (A) and clamping knob, (B)



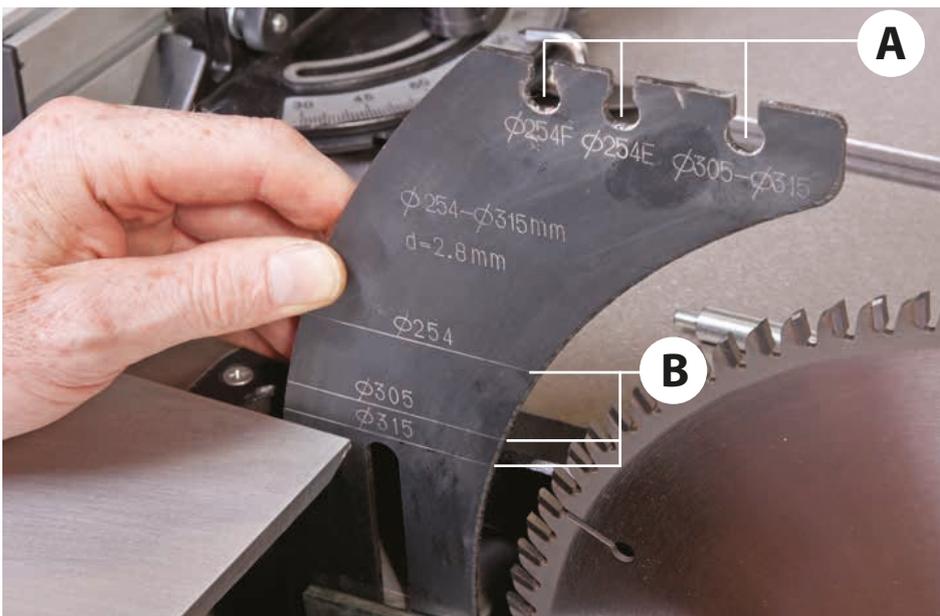
Extension table angle adjusting bolts



Riving knife (A), Saw blade (B), Scoring blade, (C) Countersink hex screws, (D) to tighten the sliding table if slide play movement is apparent



Height adjusting bolts for sliding table assembly  
 • Depth stop nuts (A)  
 • Rise and fall locking nuts (B)



Riving knife assembly  
 Crown guard mounting slots, (A) graduation lines,  
 (B) for the size of blade fitted

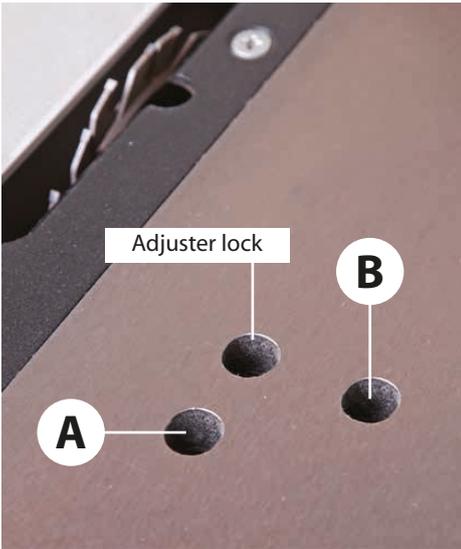


Inner cover micro switch



Riving knife clamping nut

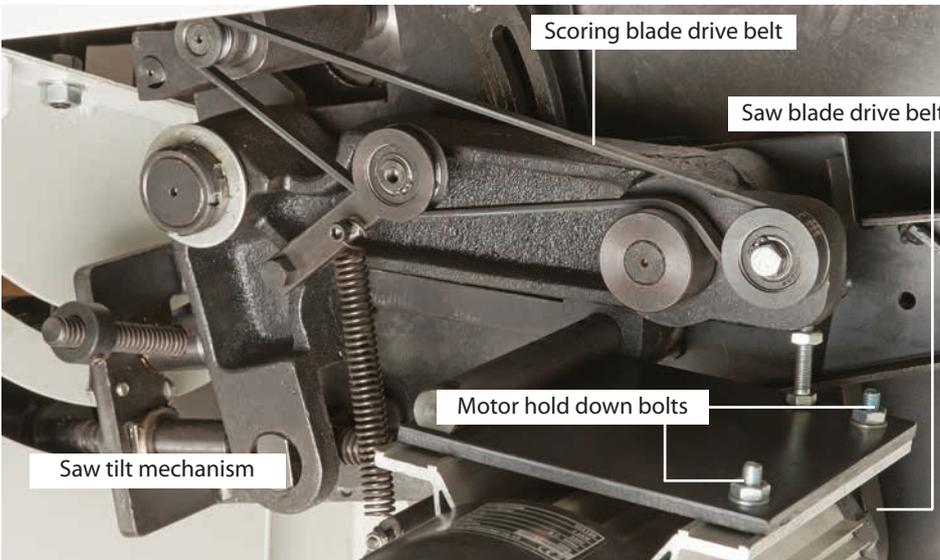
# Illustration and Parts Description



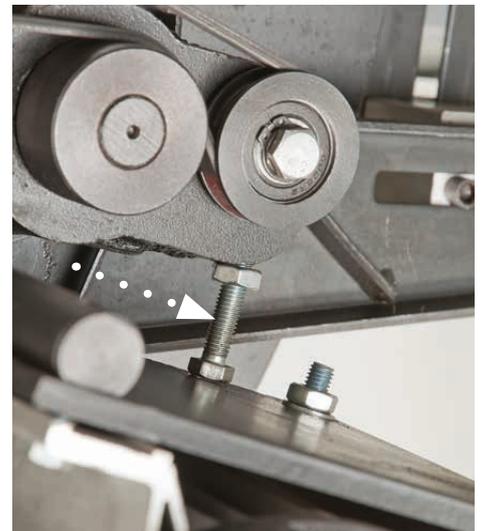
Scoring blade Hex screw access holes  
 • Height adjuster, (A)  
 • Left and right adjuster, (B)



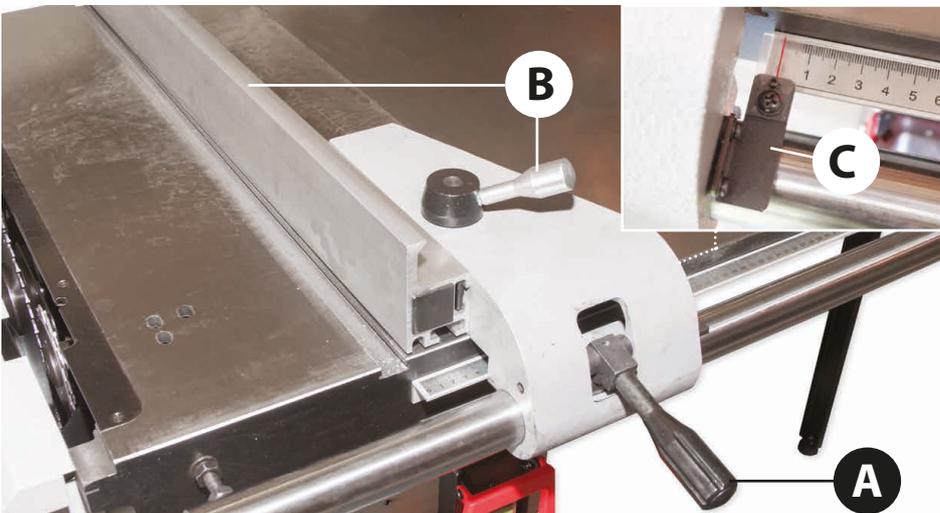
Workpiece clamp shaft (22) with the work clamp taken from the mitre fence assembly (3)



Motor and saw assembly



Saw blade tensioning bolt for drive belt



Rip fence assembly: Clamping handle, (A)  
 Rip fence and Clamping handle, (B)  
 Rip fence scale magnifier/pointer assembly, (C)



Main saw table, height adjusting bolts, one to each corner beneath the table

# Illustration and Parts Description



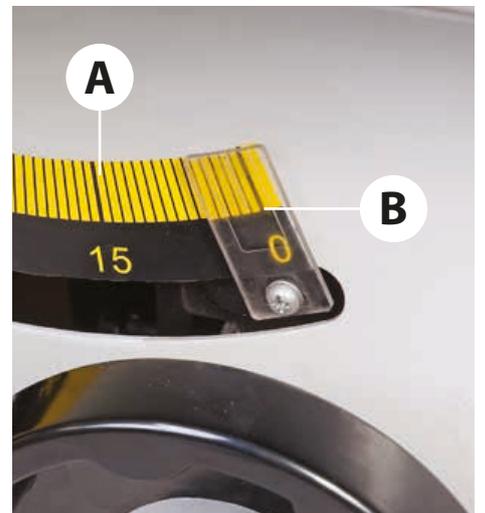
Saw assembly tilted to 45° degrees



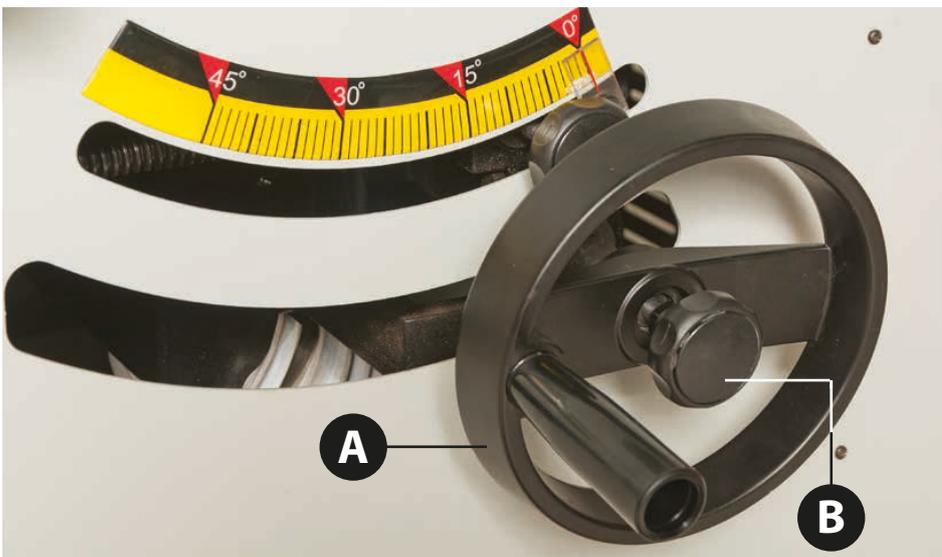
Saw scale set to 45° degrees



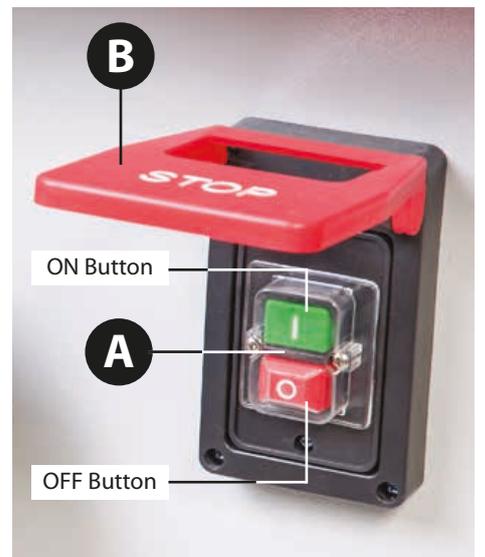
Saw assembly set at 90° degrees



- Saw tilt scale (A)
- Scale pointer (B)



Rise and fall operating wheel, (A) and clamping knob, (B)



NVR ON/OFF switch assembly, (A)  
Emergency stop shroud, (B)  
press down to stop the machine

## Positioning the Machine

Ascertain the orientation of the machine and move it to its desired position in the workshop. Ensure that the machine is positioned to allow sufficient clearance all round to cater for the maximum length of timber you

wish to machine. The machine should be positioned on a flat level surface. Manoeuvre the machine to the chosen location making sure there is sufficient space all round, then carefully lower the machine down.

## Setting Up the Machine

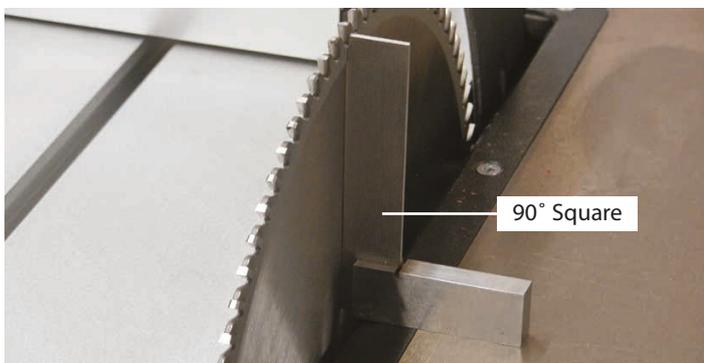


**WARNING!! DISCONNECT THE MACHINE FROM THE MAINS BEFORE CONTINUING!**

### Setting the Saw Blade at 90°

1. Remove the crown guard and place to one side, raise the saw to its maximum height by turning the operating wheel counterclockwise, place a 90° square up against the saw blade and check the blade is 90° to the table, see fig 87.

**Fig 87**



2. If the blade needs adjustment loosen the grub screws on the 90° stop collar on the saw assembly, see fig 88 and adjust the collar in small increments until the blade is perpendicular with the table. Nip up the collar to lock the setting. Reset the pointer if required.

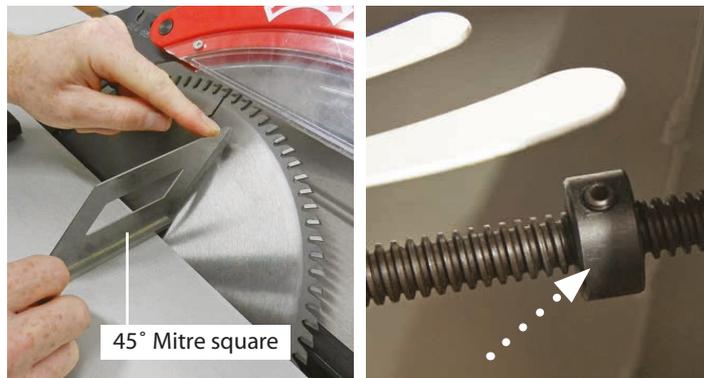
**Fig 88**



### Setting the Saw Blade at 45°

3. Set the angle of the saw to 45° degrees, place a mitre square up against the blade and check it is 45° with the table. If adjustment is required loosen the grub screws on the 45° stop collar on the saw assembly, see fig 89 adjust the collar in small increments until the blade is perpendicular with the table. Nip up the collar to lock the setting.

**Fig 89**



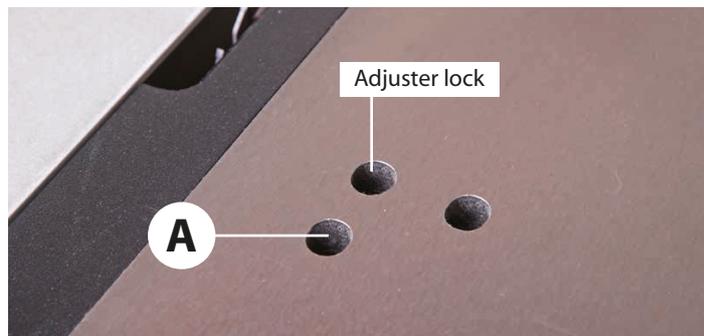
### Setting Scoring Blade

#### 90° Degrees

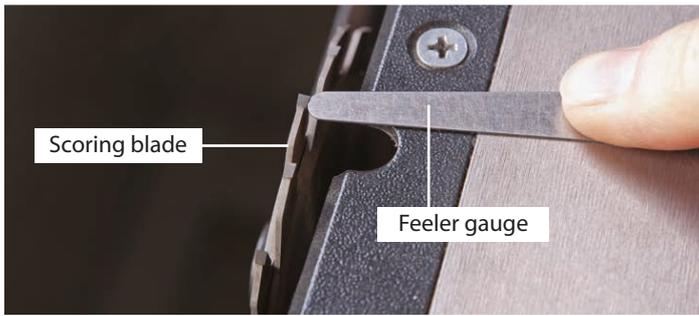
1. Lower the saw assembly with the rise and fall hand wheel until the scoring saw is just below the table. You will require a feeler gauge and Hex key.

2. Loosen the adjuster lock with a Hex key, adjust the cap head screw (A), set the saw blade height (clockwise to raise the blade and anti-clockwise to lower the blade), until the scoring blade is level with the table. Recheck the height of the scoring blade and adjust it above the table to 1 or 2mm. Lock the scoring blade in position using the adjuster lock, see fig 90-91-92.

**Fig 90-91-92**



# Setting Up the Machine



## 45° Degrees

Lower the saw assembly until the scoring saw is just below the table. Then tilt the blade assembly until it reads 45° degrees on the tilt angle scale, check that the scoring blade is sitting just proud of the table, see fig 93.

**Fig 93**



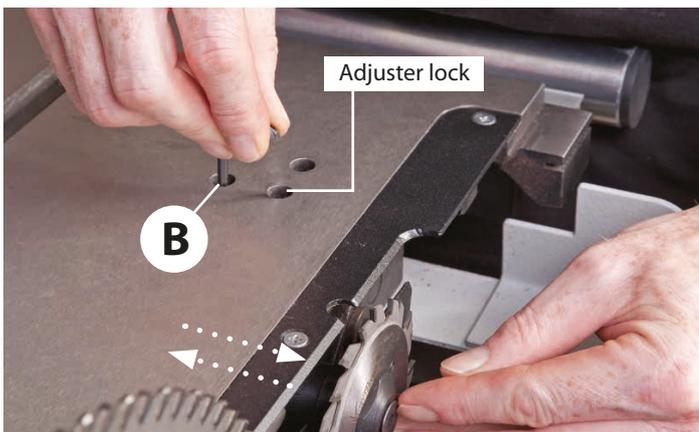
**NOTE:** If you change the main blade saw blade at anytime, the kerf width of the replacement blade must be slightly narrower, (3.2mm) than the kerf width of the scoring blade.



## Blade Alignment (Left and Right)

Loosen the adjuster lock, turn the alignment Hex screw (B) as required to align the scoring blade with the main blade, see fig 94. Once aligned re-tighten the adjuster lock.

**Fig 94**

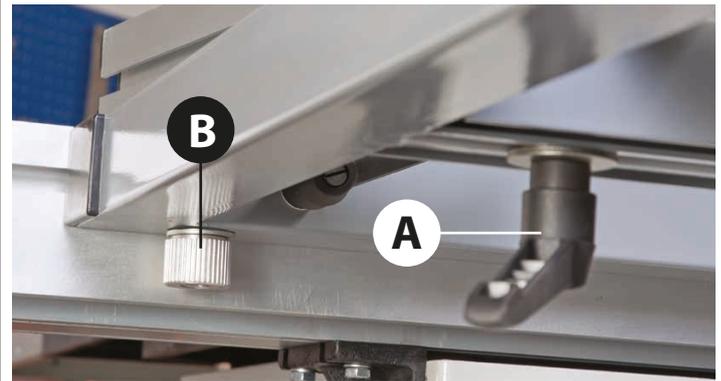


Check that everything that should be tight, is tight; saw blade guard, rise and fall lock mechanism, fence clamps etc. Replace the crown guard assembly.

## Extension Table Fence

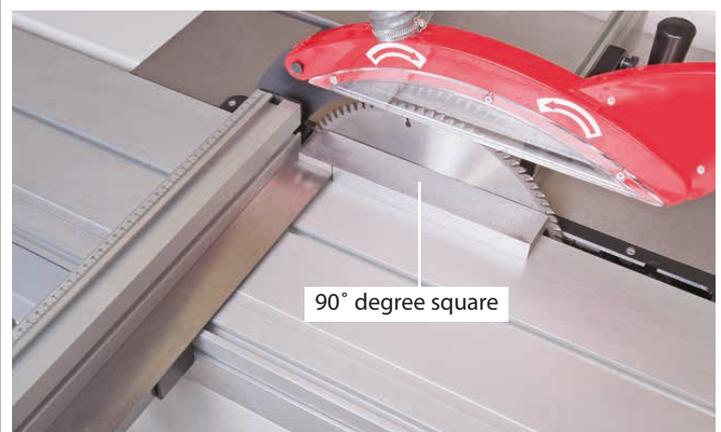
1. Raise the blade to its maximum height, slacken the lift and shift handle (A) and the steel pin by loosening the clamping knob (B), see fig 95. Slide the fence up close to the saw blade, make sure the extension fence

**Fig 95**



is up against the 90° fence stop, see fig 84. Using a 90° square, place it against the fence and the blade (not on the teeth), see fig 97 check that the angle is correct, if not, adjust the 90° stop cam by turning the Phillips screw until the fence is square to the blade, see fig 98.

**Fig 96-97-98**

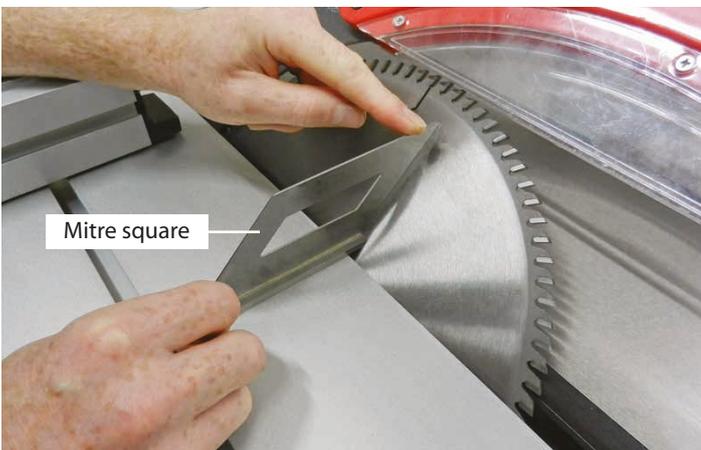




**2.** Slide the nose of the fence (the black tongue) up to the blade, check the parallelity of the sliding table movement by sliding the table forward and checking the tongue/ blade are still in contact, or that the movement has not jammed the tongue against the saw. If there is a slight discrepancy, it may be acceptable to you (a 1mm difference across the face of the blade (fully extended) is about one quarter of a degree).

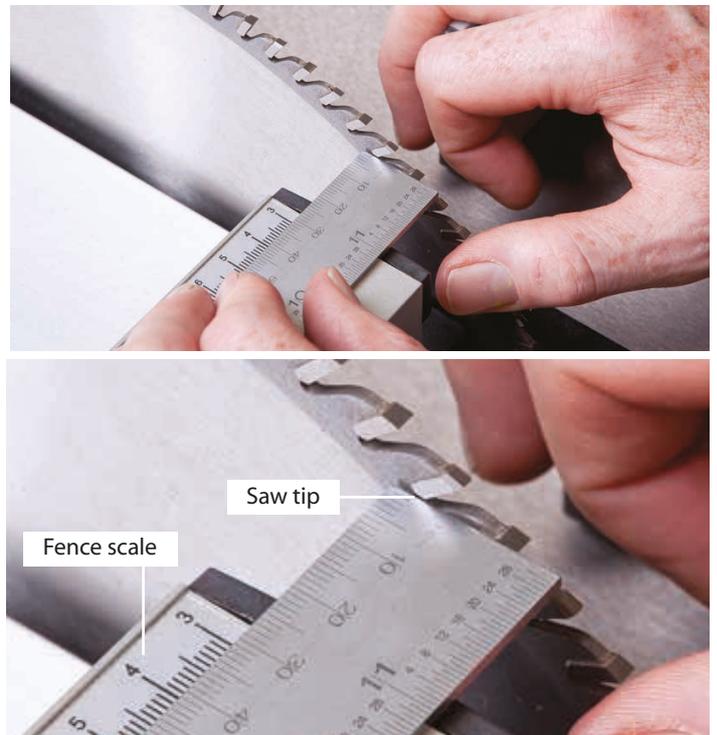
**3.** Tilt the blade fully over. Using a mitre square, set the angle of the saw to 45° degrees. Check that the index mark gives a corresponding reading against the scale, see fig 99-100. Adjust the pointer if necessary. Reset the blade upright, check that the angle scale reading is correct.

**Fig 99-100**



**4.** Using a steel rule measure 30mm back from the saw tip, so the scale on the rule lines up with the 30mm on the fence scale (23), see fig 101-102. Secure the fence again as described in step 1.

**Fig 101-102**



## Sliding Table

### Table Clearance

There should be (0.5 to 2mm) clearance between the main saw table (0) and the sliding table (19) to allow the blade to turn freely without it snagging.

**1.** Raise the saw to its highest point and lock the sliding table (19) in position with the locking pin knob (G), see fig 103.

**2.** Using a feeler gauge, loosen the two upper locking nuts on the mounting bolts below the sliding table (19), see fig 104 slot the feeler gauge down the gap between the two tables from one side and adjust until the gap is set between (0.5 to 2mm), repeat the procedure for the opposite side, see fig 105.

**Fig 103**



# Setting Up the Machine

**Fig 104**



4. Once correct tighten nuts on the supporting brackets to the underside of the sliding table to lock the setting, see fig 104.

## Sliding Table Height

Place a straight edge across both tables, see fig 108. Loosen the two locking nuts that secures the sliding tables mounting bolts inside the main saw tables (0) frame, see fig 109. Adjust the the depth stop nuts until the sliding table (19) is level with the main saw table (0), see fig 110. Once level re-tighten the locking nuts to secure in position.

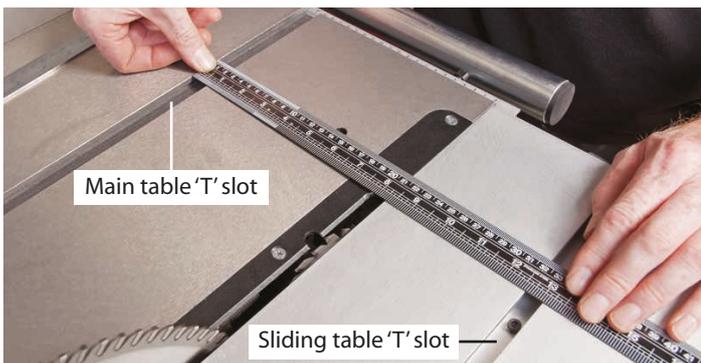
**NOTE: Check that the sliding table is still level with the main table as it may have shifted when tightening up the nuts.**

**Fig 105**

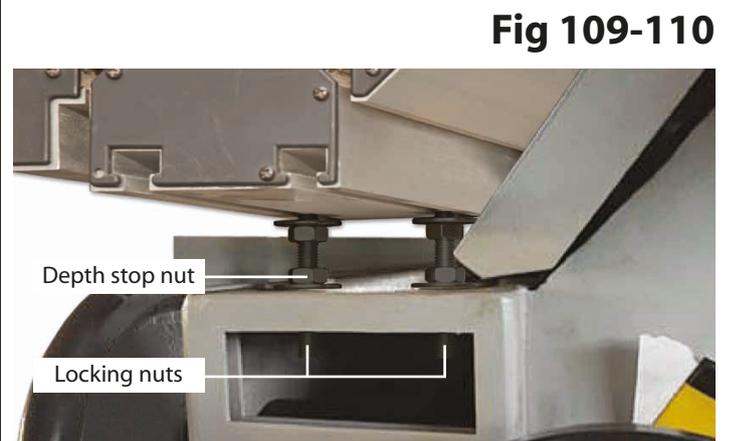


3. Place a rule across both tables and measure the distance between both 'T' slots, do the same to the opposite end and check the distances are the same, see fig 106-107. If there is any deviation between the 'T' slots repeat step 2 and check again.

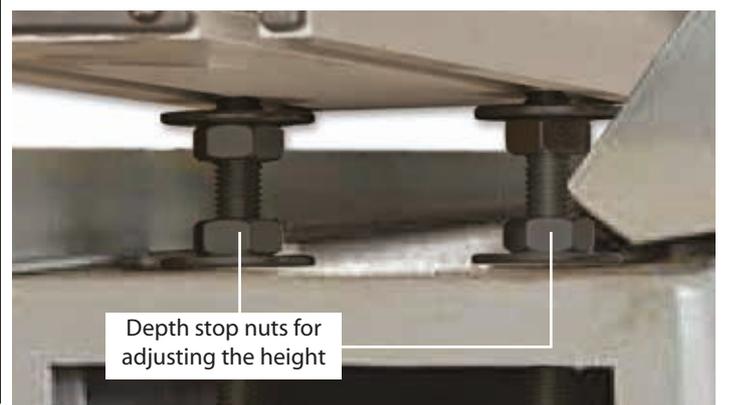
**Fig 106-107**



**Fig 108**



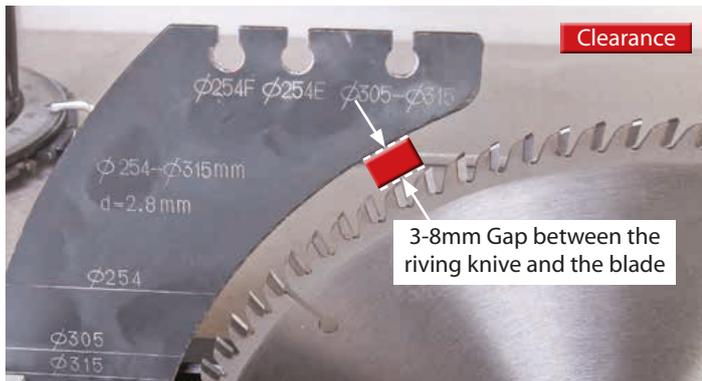
**Fig 109-110**



## Setting the Riving Knife Gap

1. Raise the saw blade up to its maximum height and remove the crown guard assembly.
2. Check the clearance between the riving knife and the saw blade, it should have a gap of (MIN 3mm - MAX 8mm), see fig 111.

**Fig 111**



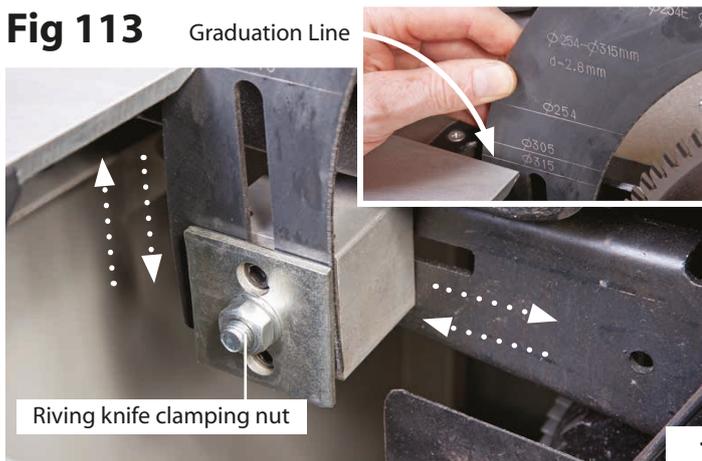
3. If adjustment is required, move the sliding table to one side, remove the two Phillips screws holding the inner guard assembly and place safely aside, see fig 112.

**Fig 112**



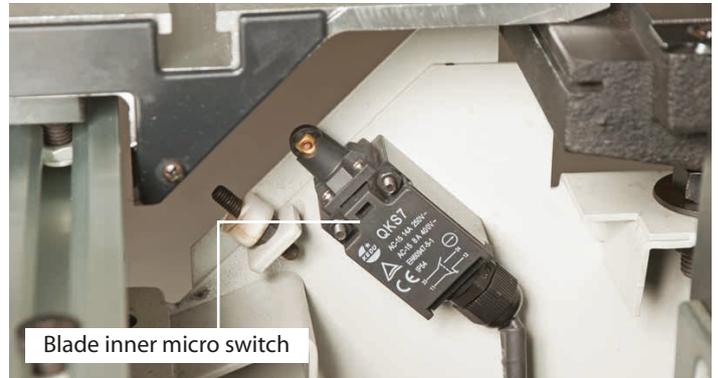
4. Loosen the nut holding the riving knife, see fig 113 and adjust the knife until the required distance is correct. Make sure the graduation line for the size of blade fitted is level with the sliding table surface, retighten the nut and replace the inner guard.

**Fig 113** Graduation Line



**NOTE:** Make sure you replace the inner guard over the micro switch, see fig 114 otherwise the panel saw will not run.

**Fig 114**



## Rip Fence

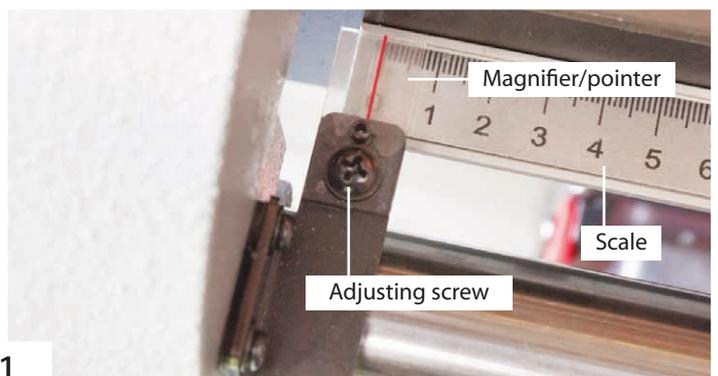
1. Lift up the clamping handle and slide the rip fence up against the blade, push down the handle to lock the fence assembly. Check the scale magnifier/pointer lines up with the '0' on the scale, see fig 115-116.
2. If adjustment is required slacken the nuts holding the rip fence scale (24), see page 11 and adjust until the '0' on the scale lines up with the fence. Note you can also adjust the screw holding the magnifier/pointer until its in line with the '0' on the scale.

**NOTE:** Nip up the nuts evenly to prevent the rip fence scale becoming misaligned.

**Fig 115**



**Fig 116**



# Operating Instructions



## CONNECT THE MACHINE TO THE MAINS!

Connect the machine to the mains supply, give the machine a test run, by pressing the On/Off buttons.

Check that everything sounds and feels O.K. (No knocking, scraping, belt squeal, rubbing etc). Switch off the machine, wait until the saw comes to a complete stop and disconnect the machine from the mains supply.



## RECONNECT THE MACHINE TO THE MAINS!

Reconnect the mains, give the machine a longer run, and press down the emergency stop shroud on the front of the machine, see fig 117. Check that the blade comes to a complete stop. When you are happy that everything seems OK, switch the machine off, disconnect from the mains supply.

**Fig 117**

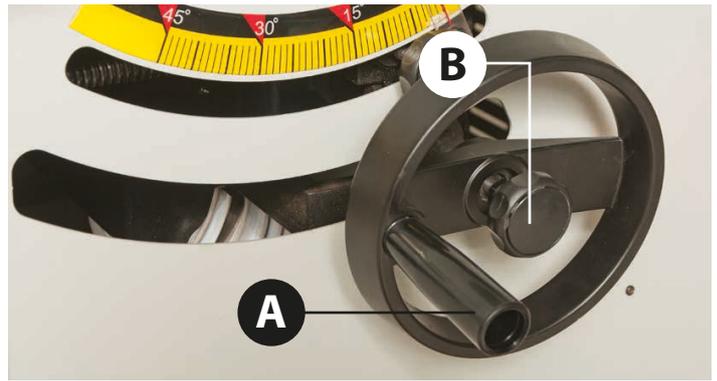


## WARNING!! DISCONNECT THE MACHINE FROM THE MAINS BEFORE CONTINUING!

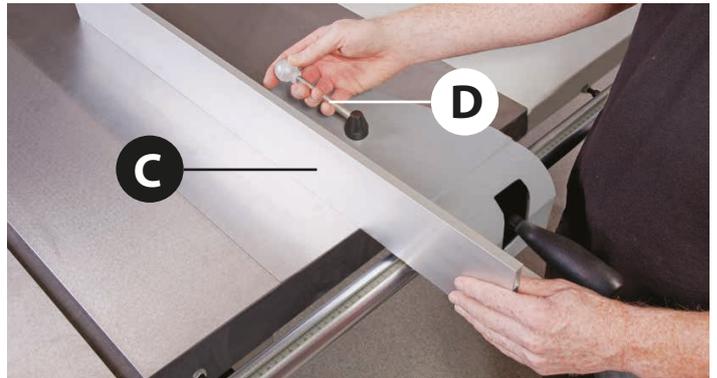
### Operating Procedures

1. Regulate the cutting height by raising or lowering the rise and fall control hand wheel (A). Lock the blade in place by turning the rise & fall control handle lock (B), see fig 118.
2. Adjust the rip-fence (C) to the desired position by loosening the rip fence clamping handle (D), see fig 119. Re-clamp to lock the fence.
3. Check that the room is well lit.
4. Use the extension table/fence when cutting large pieces of board at 90, see fig 121.

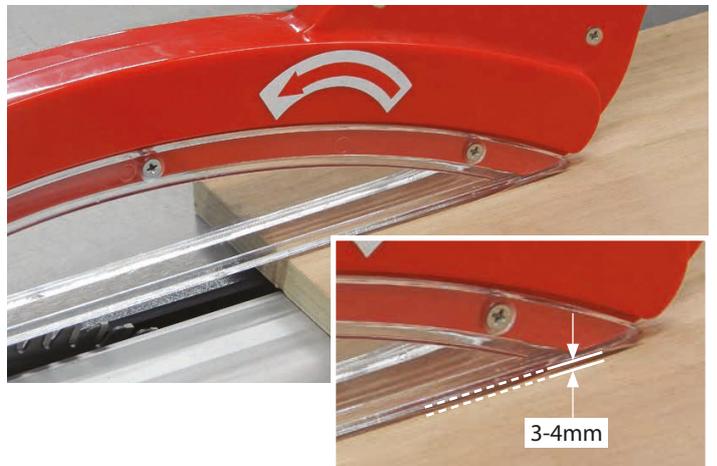
**Fig 118**



**Fig 119**



**Fig 120**



5. DO NOT damaged or blunt blades as they can increase the effort required for feeding the workpiece through and the risk of accidents from 'KICKBACK'.
6. Make sure that the saw table is clear of any tools and other accessories.
7. CHECK for deposits of gum or resin build up near the teeth as this tends to cause the saw to stall or the timber to stick.
8. CHECK that the crown guard is 3-4mm above the top of the workpiece, see fig 120.

**Fig 121**



**9.** CHECK the riving knife and saw blade has a gap of a between 3-8mm, see 'setting the riving knife' on page 33.

**NOTE:** The riving knife acting as a back guard stops the wood from closing up onto the blade and being ejected. The riving knife must be thicker than the plate of the saw blade but less than the kerf (this is the thickness of cut).

**10.** MAKE SURE your workpiece is securely clamped in place.

### Dust Extraction

The panel saw has a 100mm dust extraction outlet to the rear of the machine, attach a chip extractor to the machine.



**WARNING!! ONLY USE AN EXTRACTOR WITH AN AIR FLOW OF 1,000M3/HR OR ABOVE WITH THIS PANEL SAW. CONTACT OUR SPECIALIST AFTER SALES TEAM FOR HELP. PHONE: 03332 406 406**



**RECONNECT THE MACHINE TO THE MAINS!**

**1.** Start the saw by pressing the 'ON' button on the NVR switch, wait until the saw is at full speed and carefully guide the workpiece safely through.



**WARNING!! DO NOT PUSH THE WORKPIECE TWO QUICKLY THROUGH OTHERWISE THE BLADE MIGHT STALL OR KICKBACK.**

**2.** Once complete, turn off the saw, wait until the saw comes to a complete stop before removing the workpiece.



**NOTE: DURING OPERATION IF YOU NOTICE A BUILD UP OF SAW DUST STOP THE MACHINE AND FOLLOW THE INSTRUCTIONS BELOW.**

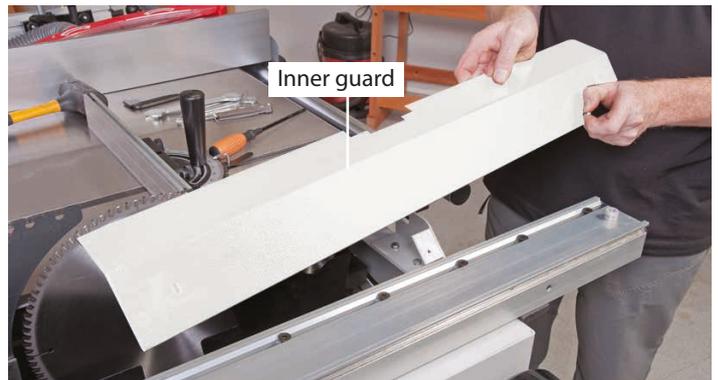
**3.** Wait until the saw has stopped and disconnect the machine from the mains supply.

**4.** Move the sliding table (19) to one side, using a vacuum cleaner clean out any build up of dust debris or resin then slide the table to the opposite side and repeat the procedure.

**5.** Remove the two Phillips screws holding the inner guard assembly, see fig 122 and place safely aside. Remove the build up of dust debris around the blades, riving knife and the extractor housing.

**NOTE:** To gain full access to the extractor housing it may be easier to remove the main blade, see fig 123. (see the section on changing the blade)

**Fig 122-123**



**6.** Remove the hoses from the crown guard and extraction moulding and clean out any build up of dust and debris or resin from within. Once done replace the hoses, saw blade, crown guard and inner guard.

**7.** Check your extractor and empty the collecting bags if full, also check and make sure the filters are clean.

# Operating Instructions



## RECONNECT THE MACHINE TO THE MAINS!

Start the saw by pressing the 'ON' button on the NVR switch wait until the saw is at full speed, if everything sounds and feels O.K, carefully guide a test workpiece safely through, checking there is no build up of dust.

If all is OK., turn off the saw, wait until the saw comes to a complete stop before removing the workpiece.



## DISCONNECT THE MACHINE FROM THE MAINS!

### Rip Saw Cutting



## WARNING!! DISCONNECT THE MACHINE FROM THE MAINS BEFORE CONTINUING!

A push stick must be used when making cuts less than 300mm in length. The push stick should be at least 450mm long with a 'bird's mouth' to one end, see illustration below.



1. Set the crown guard 3-4mm above the top of the workpiece, see fig 120.

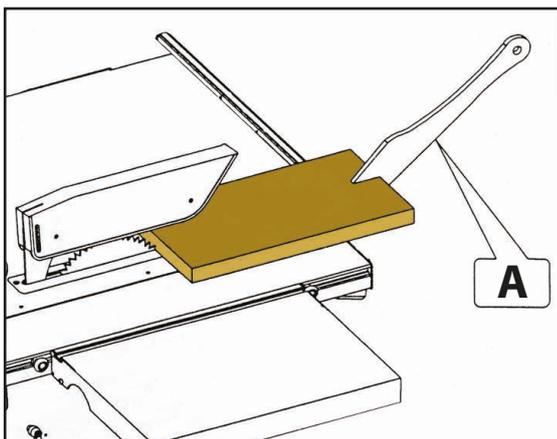
2. Set the fence for the width of cut.



## WARNING!! IT IS IMPORTANT THE FRONT EDGE OF THE FENCE NEVER PASSES THE CENTRE OF THE BLADE.



## RECONNECT THE MACHINE TO THE MAINS!

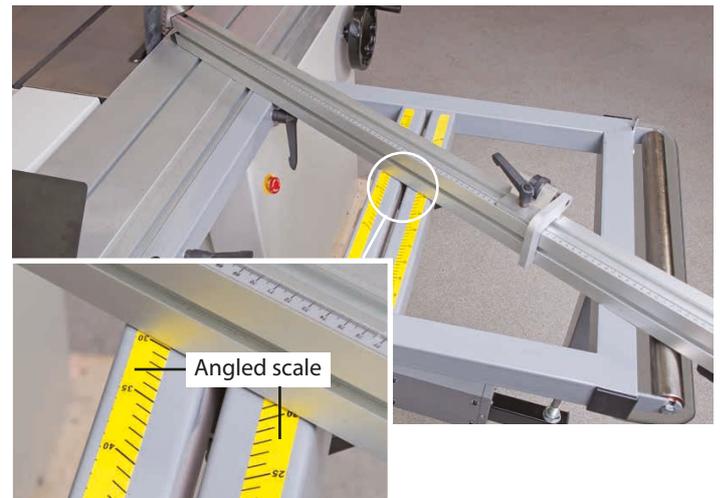


3. Start the saw, wait until it's at full speed and carefully feed the workpiece through using a 'Push Stick', (A). Make sure the workpiece is clear of the blade then turn off the saw, wait until the saw comes to a complete stop before removing the workpiece.

### Bevel Cut

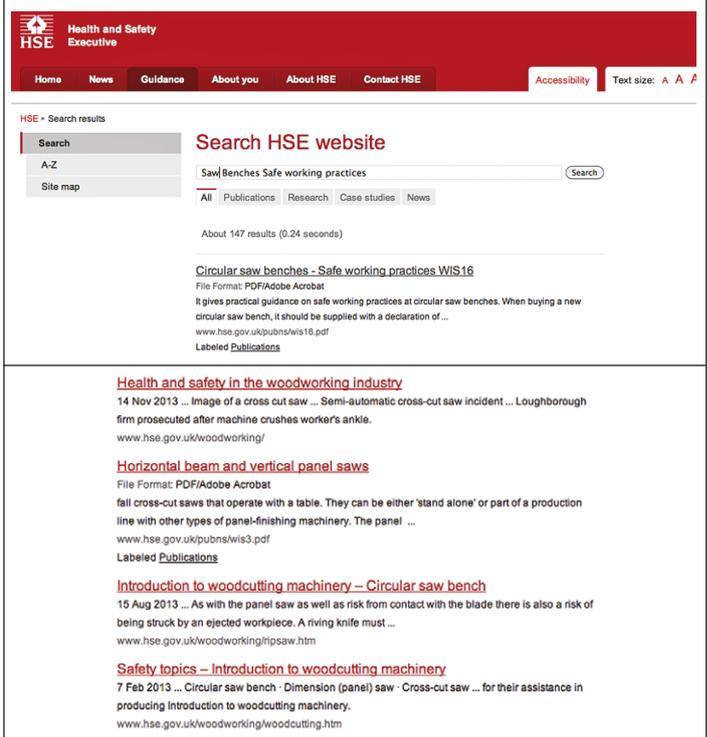
There is an angle scale mounted on top of the extension table, to set the fence at required angles for cutting bevel cuts, see fig 124.

Fig 124



### HSE Health and Safety Executive

To operate the panel saw correctly, it is recommended to visit the HSE (Health and Safety Executive) website at [www.hse.gov.uk](http://www.hse.gov.uk) and read the information work sheet on the safe working practices, see image below.



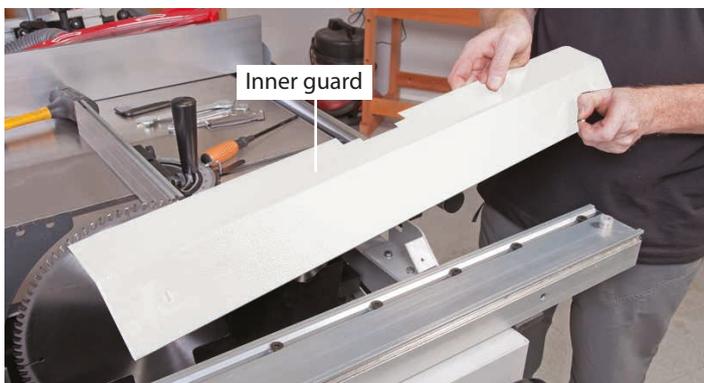
## Changing the Main Blade



**WARNING!! DISCONNECT THE MACHINE FROM THE MAINS BEFORE CONTINUING!**

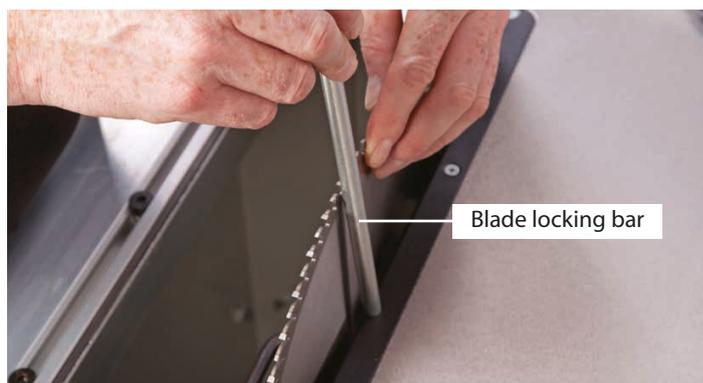
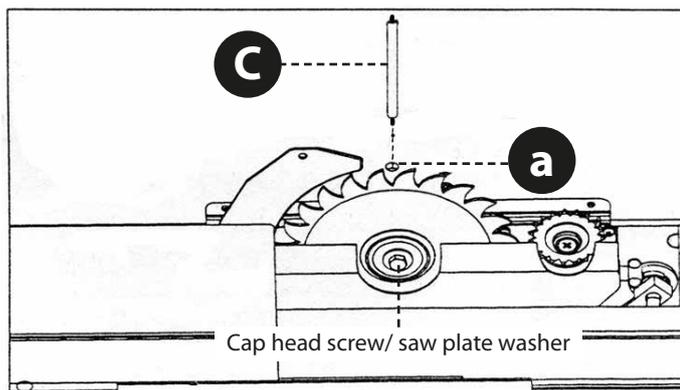
1. Raise the saw blade to its highest point. Remove the saw blade crown guard and place to one side. Pull the sliding table locking knob towards you and slide the table to the side exposing the blades.
2. Remove the two Phillips screws holding the inner guard and place both safely to one side, see fig 125-126.

**Fig 125-126**



3. Find the 8mm Hex key (H) and the blade locking bar (C). Turn the saw until the locking bar hole (a) is visible and insert the locking bar (C) into the hole, see fig 127-128.

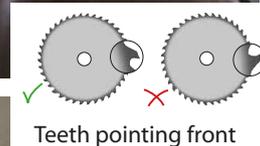
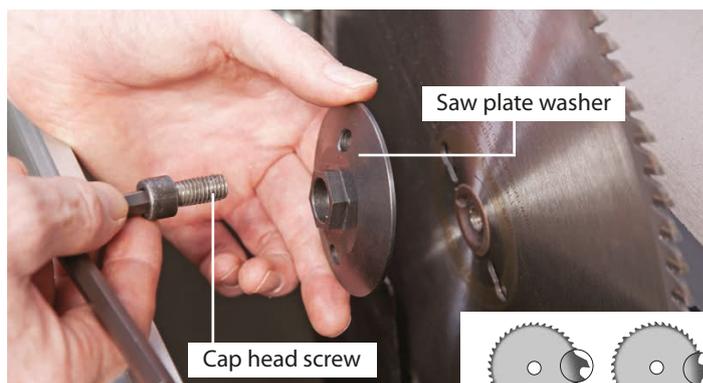
**Fig 127-128**



4. Remove the cap head screw with the Hex key (H), (remember left hand thread). Remove the saw plate washer and the saw blade and place to one side, see fig 129.

5. Now is a good time to give the interior of the machine, the dust extraction channels, etc. a thorough clean, see fig 130.

**Fig 129-130**



6. 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 saw plate washer onto the shaft and replace the cap head screw until finger tight and check the saw is correctly seated.

7. Tighten up the cap head screw, using the blade locking bar (C) to hold the shaft steady. Check the riving knife is aligned with the saw blade, and correctly positioned, (see setting the riving knife gap on page 32).

# Changing the Saw Blade

8. Replace the inner guard assembly, slide the table back until the locking knob pin engages the pin recess, turn the saw blade once by hand to check it spins freely and replace the crown guard. When everything is satisfactory reconnect the machine to the mains supply.

9. Give the machine a test run (i.e. quick ON-OFF) to ensure everything is O.K. If everything is satisfactory, continue to use the panel saw.

## Changing the Scoring Blade

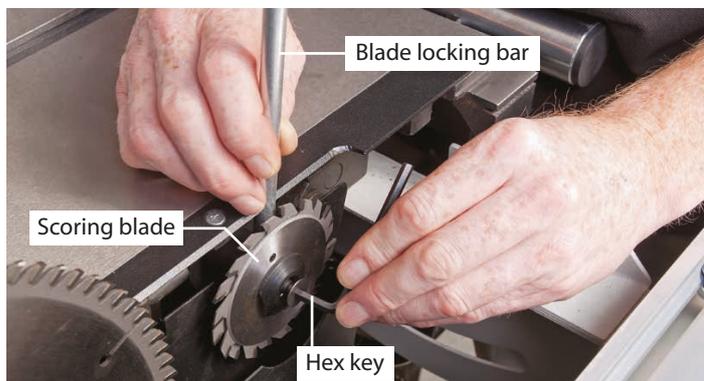


**WARNING!! DISCONNECT THE MACHINE FROM THE MAINS BEFORE CONTINUING!**

1. Refer to steps 1-2 for changing the main blade.

2. Using the Hex key provided and blade locking bar (C) insert the Hex key into cap head screw, turn the scoring saw until the locking bar hole is visible. Insert the locking bar and turn the saw to allow it to rest against the front edge of the saw slot.

**Fig 131-132**



3. Remove the scoring blade, check the new blade for damage, missing teeth, sharpness etc. then replace the scoring blade and tighten, see fig 131-132. Replace the inner guard assembly, slide the table back until the locking knob pin engages the pin recess and replace the saw crown guard.

## Fitting Scoring Blade Shims

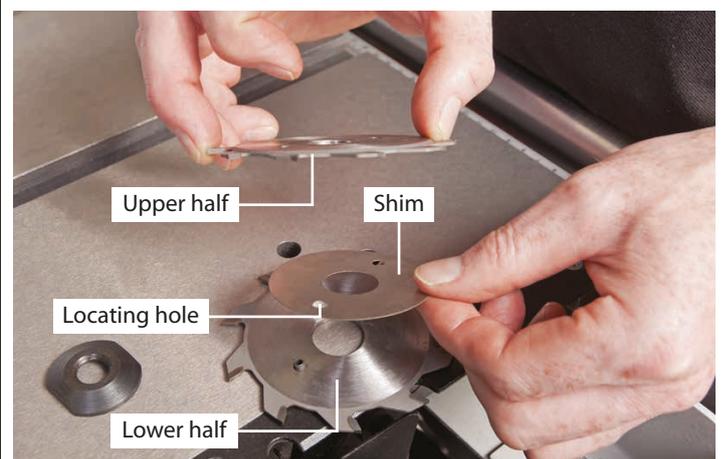
The scoring blade comes in two parts to allow the shims to be inserted between so that the cut can be aligned exactly with that of the main blade.

1. Remove the scoring blade as instructed previously and place on the main table, see fig 133.

2. Lift away the upper half of the blade and locate the shims. Place one or more on top of the lower half, inserting holes in the shims over the locating pins on the blade. Replace the upper half of the blade making sure it seats down correctly, see fig 134-135.

3. Replace the blade and tighten.

**Fig 133-134-135**



## General Information

- Keep the saw as clean and free from saw dust build up as practical.
- Periodically, unlock the sliding table and push to one side and remove the inner guard to gain access to the saw mechanism. Raise the saw blade to it's highest point, remove the saw blade guard and blow, brush or vacuum out the saw inner workings, using a proprietary resin cleaner.
- Check the saw and scoring saw blades regularly for chipped, missing, damaged teeth etc. and remove any resin build up from the blade/s, riving knife etc.
- After several months of constant use the condition of the chains, sprockets, tension of the drive belts and the threaded drive shafts of the rise and fall tilt mechanisms will need to be checked; that may require a service engineer to oversee the job.

**If you find that the machine is not performing as it should please contact our "Specialist After Sales Team" by phone on 03332 406 406 or visit our website at [axminster.co.uk](http://axminster.co.uk).**

- If the "Panel Saw" is not going to be used for a period of time, spray a light coat of oil over the table surface and blades that will help prevent rust.

## Sliding Table (Side Play Movement)

**After several months of use, if you notice the sliding table shows signs of 'slide play' movement follow the instruction below.**



**WARNING!! DISCONNECT THE MACHINE FROM THE MAINS BEFORE CONTINUING!**

1. Pull the sliding table locking knob towards you and slide the table to the side exposing the cap head screws beneath, see 136.

## Fig 136



2. Adjust each screw in turn, (one rotation) should be sufficient. Slide the table to the opposite end and repeat the procedure. Check the table to see that the slide play has been queried. If OK. Re-lock the table.

## Inspecting and Changing the Drive Belts

Check both blade/s drive belts for any signs of wear including fraying, stretching, missing teeth and basic wear and tear etc. Follow the instructions below.



**WARNING!! DISCONNECT THE MACHINE FROM THE MAINS BEFORE CONTINUING!**

## Main Saw Blade

1. Slide the table to one side and remove the crown guard and inner guard, place safely aside.
2. Remove the main blade, see fig 137 as instructed on page 36.

## Fig 137



3. Remove the fixing that secures the extractor housing assembly, see figs 138-139 place them safely aside and lower housing assembly down to the floor.

## Fig 138-139



## Routine Maintenance



**4.** Remove the side access panel, see fig 140 this gives access to the motor saw assembly. Loosen the tensioning bolt (a) on the motor housing to loosen the belt tension, see fig 141.

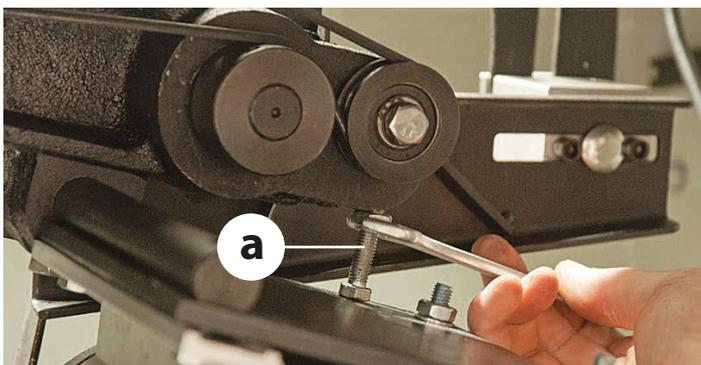
**5.** Remove the belt from the pulleys and check the condition of the belt. If there are signs of fraying or stretching replace with a new one.

**6.** Place the new belt over the two pulleys and insert the belt groove into the grooves on the pulleys, see fig 142-143-144 Turn the belt by hand to make sure the belt has seated down properly then re-tension the belt.

**Fig 140**

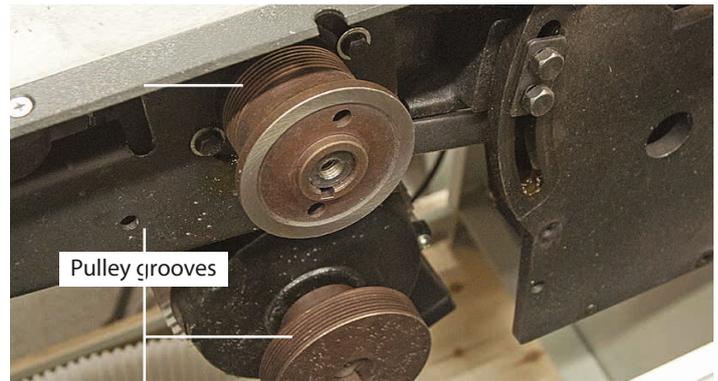


**Fig 141**



**7.** Replace the extractor housing, side panel (9), main blade, inner guard, crown guard assembly and slide the table (19) back until it locks in place. Replace the side access panel.

**Fig 142-143-144**



**RECONNECT THE MACHINE TO THE MAINS!**

**8.** Give the machine a test run ( i.e. quick ON-OFF) to ensure everything is O.K. If everything is satisfactory, continue to use the panel saw.

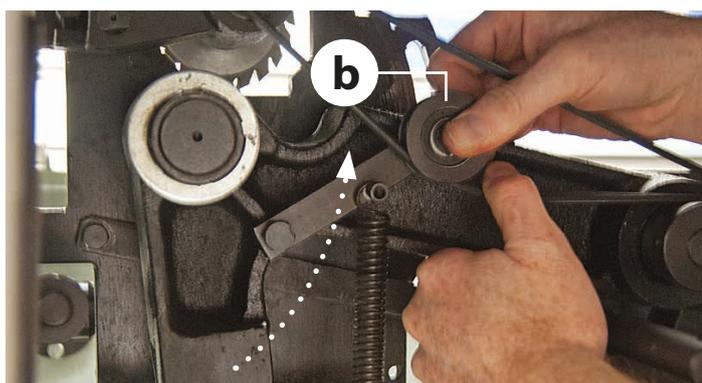
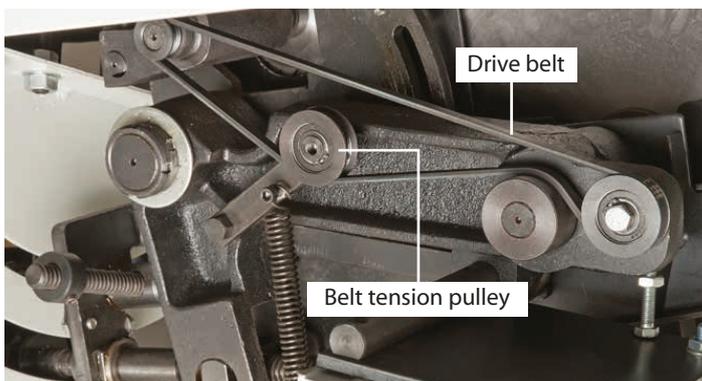
## Scoring Blade



**WARNING!! DISCONNECT THE MACHINE FROM THE MAINS BEFORE CONTINUING!**

1. Remove the side panel, see fig 140.
2. Release the tension from the drive pulley by lifting up the tension pulley (b) which in turn allows the belt to be removed, see fig 145-146.
3. Check the condition of the belt. If you find there is fraying or stretching replace the belt.
4. Place the new belt over the pulley as shown in fig 145 and re-tension with the tension pulley. Turn the belt by hand to make sure the belt has seated down properly.

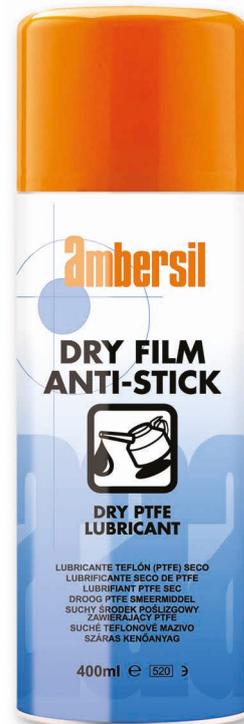
**Fig 145-146**



5. Replace the side panel, reconnect the machine to the mains give the machine a test run ( i.e. quick ON-OFF) to ensure everything is O.K. If everything is satisfactory, continue to use the panel saw.

## Lubrication

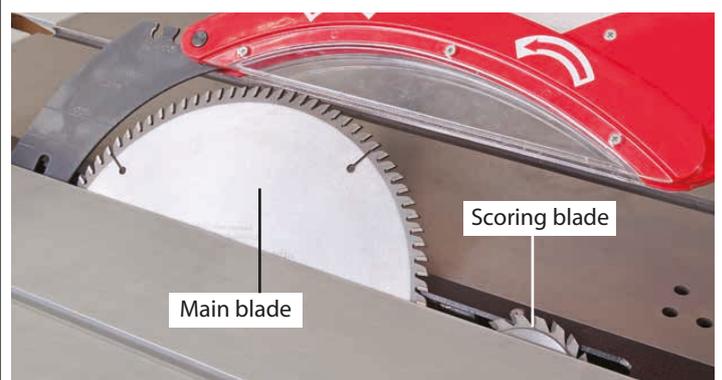
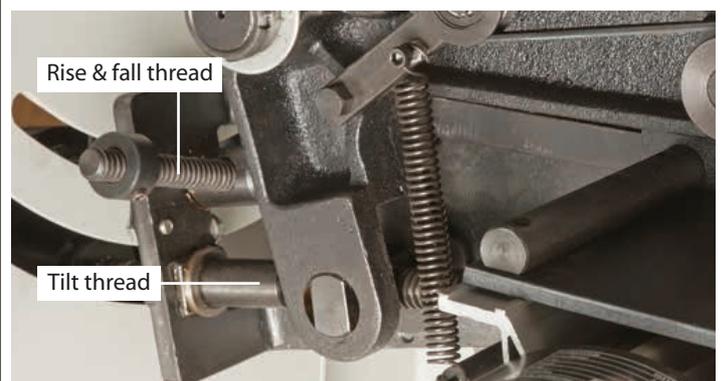
After every three or four months we recommend you lubricate the blades and the tilt, rise and fall screw threads using 'Ambersil Dry PTFE Film Antistick' spray, see fig 147-148.



**Fig 147**

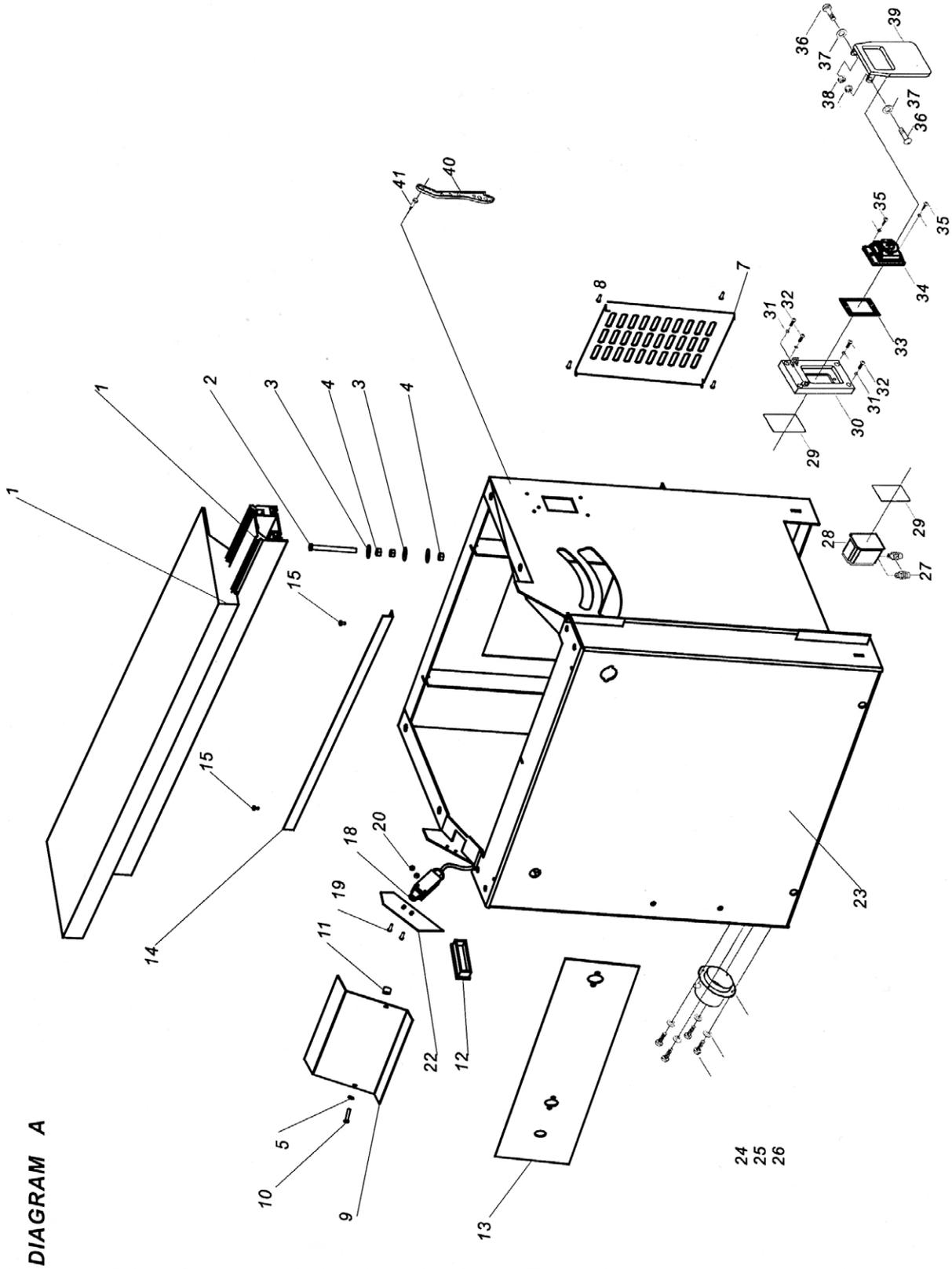
Ambersil Dry PTFE Film Antistick spray

**Fig 148**



# Exploded Diagram/Parts List

## Diagram/List A



## Exploded Diagram/Parts List

### Diagram/List A

No	Description		
A-1	Sliding Panel Set	A-22	Plate
A-2	Hex Head Screw M10x55	A-23	Box Stand
A-3	Washer 10mm	A-24	Pan Head Screw M6x12
A-4	Hex Nut M10	A-25	Washer 6mm
A-5	Washer 6mm	A-26	Dust Port
A-7	Access Panel	A-27	Strain Relief
A-8	Pan Head Screw M6X12	A-28	Switch Box
		A-29	Sealer
A-9	Guard	A-30	Cover Switch Box
A-10	Pan Head Screw M6x30	A-31	Washer 4mm
A-11	Spacer	A-32	Pan Head Screw M4x12
A-12	End cap	A-33	Rubber Seal
A-13	Side Plate	A-34	Main Switch
A-14	"L" Plate	A-35	Taping Screw ST4.2x20
A-15	Pan Head Screw M5x10	A-36	Pan Head Screw M5x16
		A-37	Washer 5mm
		A-38	Hex Nut M5
		A-39	Emergency Stop Lever
A-18	Limit switch QKS7	A-40	Push Stick
A-19	Pan Head Screw M4x30	A-41	Holder Push Stick

# Exploded Diagram/Parts List

Diagram/List B

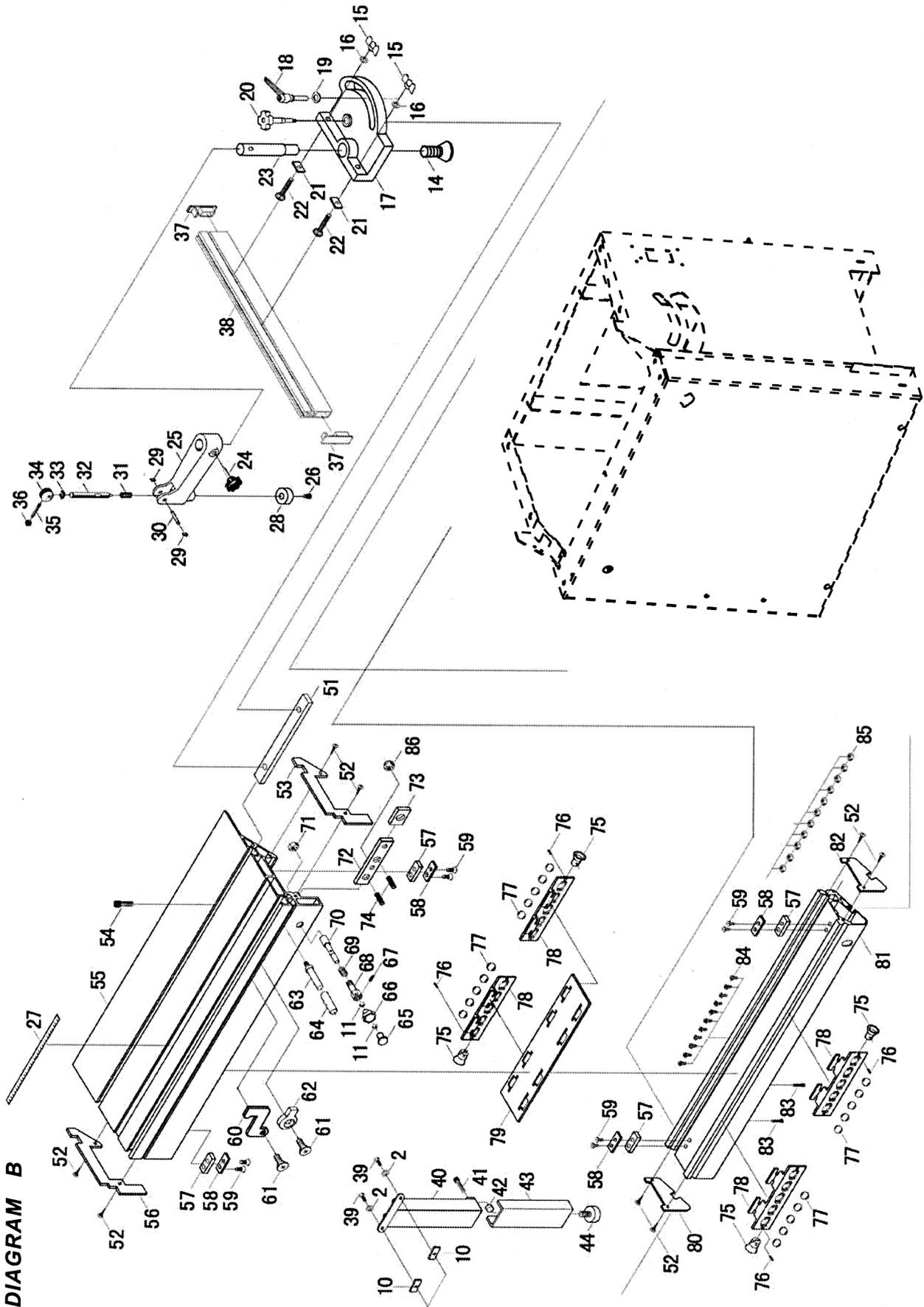


DIAGRAM B

## Diagram/List B

No	Description
B-2	Flat Washer 8mm
B-10	T-nut Sliding Carrier
B-11	Hex Nut M8
B-14	Sunk Head Screw M8x25
B-15	Wing Nut
B-16	Washer 6mm
B-17	Mitre Gauge Hold Down
B-18	Ratchet Lever
B-19	Flat washer 10mm
B-20	Star-Type Lock Handle
B-21	T-Block
B-22	Carriage Bolt M6x40
B-23	Stud Hold Down
B-24	Star-Type Knob Hold Down
B-25	Arm Hold Down
B-26	Allen Screw M5x16
B-27	Scale Sliding Table
B-28	Disc Hold Down
B-29	Circle Ring 8mm
B-30	Pin Hold Down
B-31	Spring Hold Down
B-32	Stud Hold Down
B-33	Circle Ring 12mm
B-34	Eccentric Hold Down
B-35	Handle Hold Down
B-36	Handle Knob Hold Down
B-37	End Cap, Fence
B-38	Fence, Mitre Gauge
B-39	Hex Head Screw M8x16
B-40	Upper Support
B-41	Allen Screw M8x25
B-42	Disc Insert
B-64	Bush Push Handle
B-65	End Cap Knob
B-66	Star-Type Knob, Lock Pin
B-67	Roll Pin 3x18
B-68	Bush Lock Pin
B-69	Spring Lock Pin
B-70	Lock Pin
B-71	Hex Nut M10
B-72	Lock Guide
B-73	T-Nut Push Handle
B-74	Setscrew M8x12
B-75	Insert Ball Frame
B-76	Roll Pin 2x8
B-77	Ball 1/2"
B-78	Ball Frame
B-79	Ball Frame
B-80	End Cap Sliding rail
B-81	Sliding Table Rail
B-82	End Cap Sliding Rail
B-83	Allen Screw M6x10
B-84	Sunk Head Screw M8x20
B-85	Lock Nut M8
B-86	Lock Nut M6
B-87	Thread Stud
B-88	Hex Nut M8
B-89	T-Block
B-90	Edge Shoe
B-91	Star-Type Screw M8x20
B-92	Washer 8mm

# Exploded Diagram/Parts List

Diagram/List C

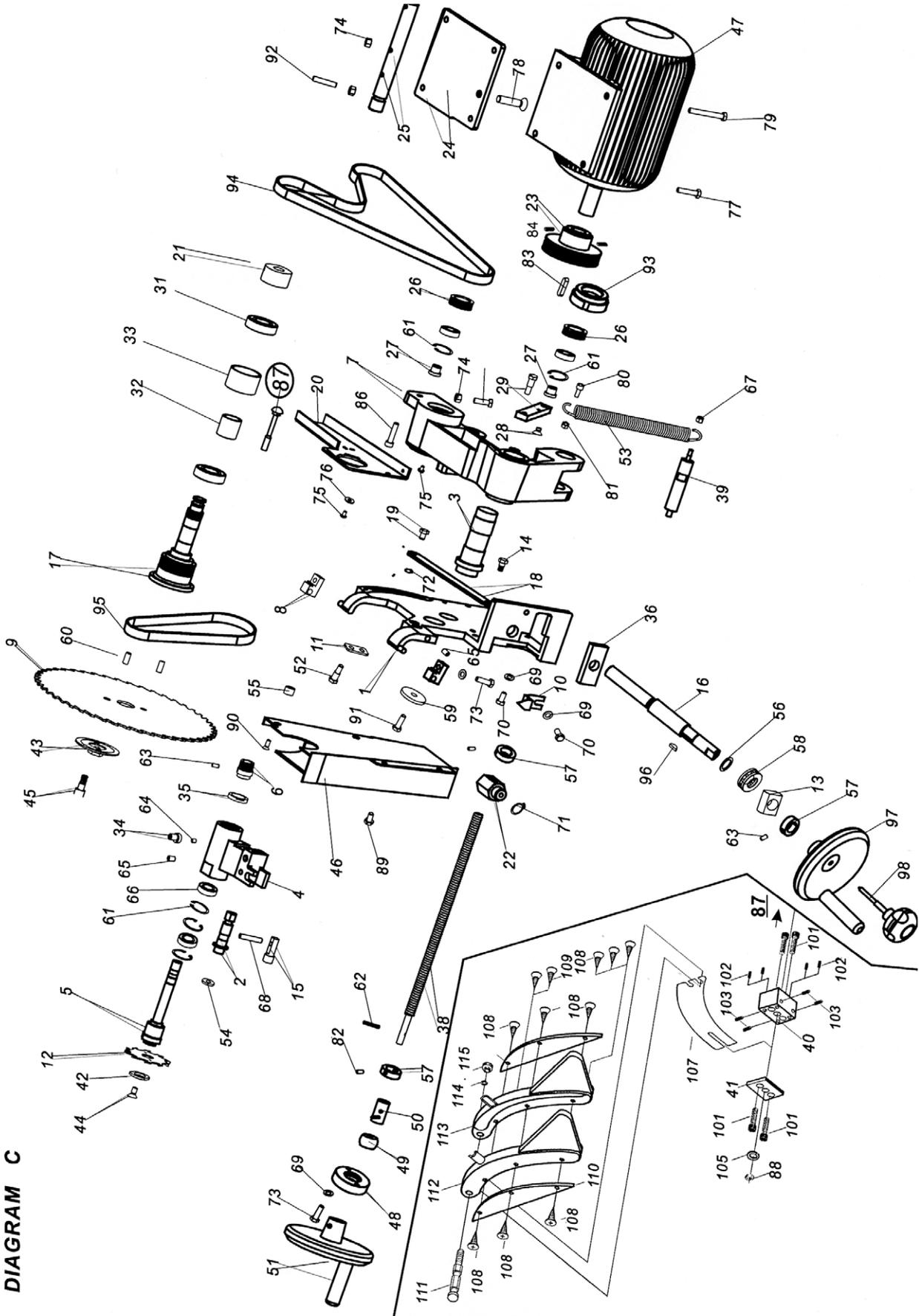


DIAGRAM C

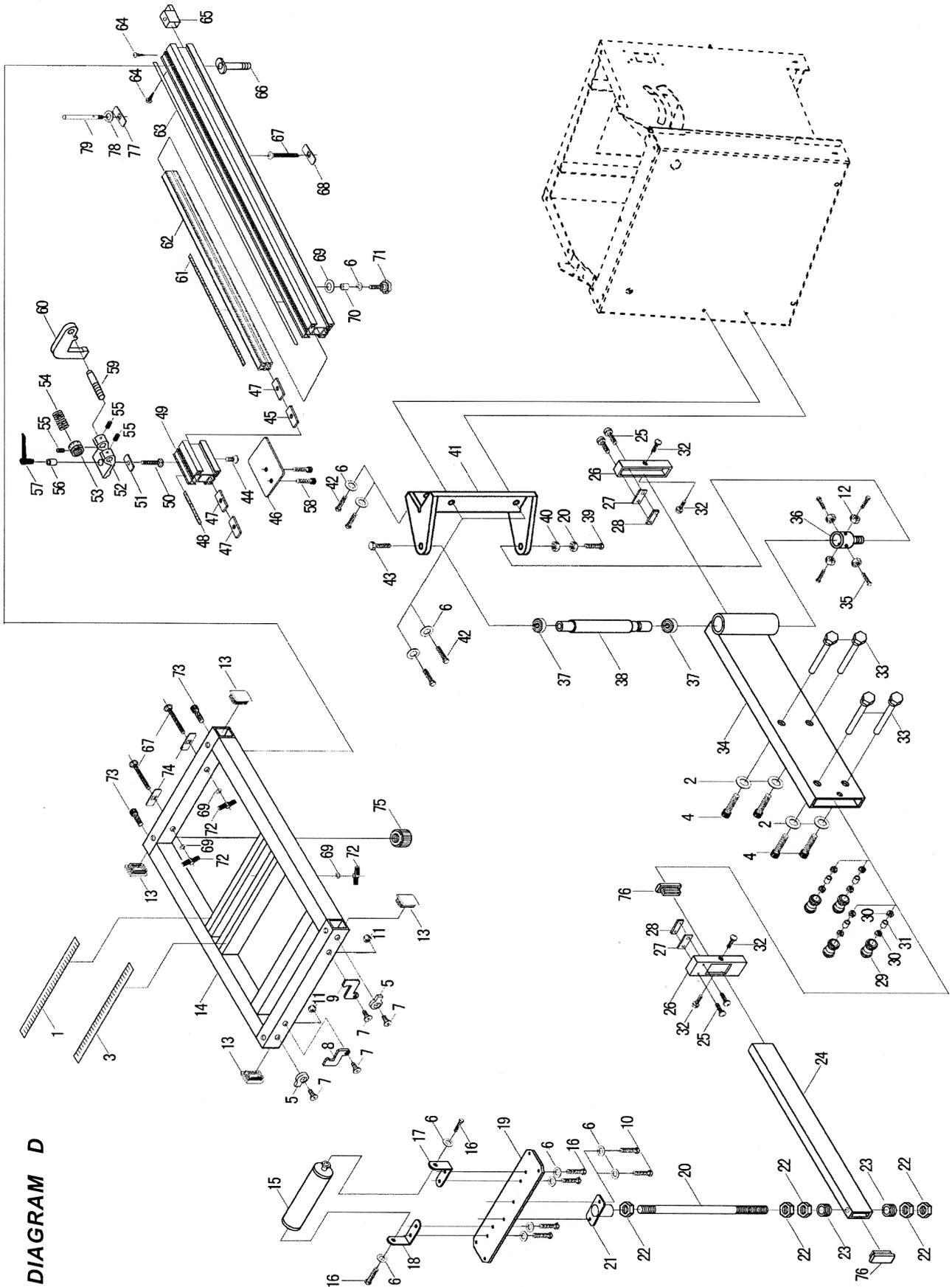
# Exploded Diagram/Parts List

## Diagram/List C

No	Description				
C-1	Frame-Blade	C-39	Shaft Spring	C-77	Hex head Screw M8x35
C-2	Shaft-Main Blade	C-40	Insert	C-78	Sunken Head Screw M8x40
C-3	Main Shaft	C-41	Segement	C-79	Hex Head Screw M8x55
C-4	Shaft Housing-Scoring Blade	C-42	Flange, Scoring Blade	C-80	Allen Screw M6x20
C-5	Shaft-Scoring Blade	C-43	Flange	C-81	Hex Nut M6
C-6	Pulley-Scoring Blade	C-44	Sets crewM8x16	C-82	Set Screw M8x8
C-7	Gear House	C-45	Allen screw M10x25	C-83	Flat Key 18x35
C-8	Rotating Support	C-46	Chip House	C-84	Flat Washer 8mm
C-9	Main Blade	C-47	Motor Assembly	C-85	Spring Washer 8mm
C-10	Pointer	C-48	Flange	C-86	Allen Screw M8x30
C-11	Slide Piece	C-49	Ball Bearing	C-87	Carriage Bolt M10x80C
C-12	Scoring Blade	C-50	Tube	C-88	Hex Nut M10
C-13	Bearing House	C-51	Wheel Handle	C-89	Hex Head Screw M8x16
C-14	Shaft	C-52	Thread	C-90	Sunken Head Screw M6x25
C-15	Stop Scoring blade	C-53	Spring	C-91	Hex head screw M10x25
C-16	Thread	C-54	Washer	C-92	Sets Screw M8x16
C-17	Main Shaft	C-55	Spacer	C-93	Nut M35x1
C-18	Rod	C-56	Spacer	C-94	Multi"V" Belt 660
C-19	Shaft Rod	C-57	Circle Ring	C-95	Multi"V" Belt 560
C-20	Frame Segement	C-58	Thrust Bearing	C-96	Key
C-21	Pulley	C-59	Washer	C-97	
C-22	Hex nut	C-60	Pin	C-98	
C-23	Pulley-motor	C-61	Circle Ring 326	C-101	Stop Screw
C-24	Motor base	C-62	Roll Pin 5x28	C-102	Set Screw M8x20
C-25	Shaft	C-63	Set Screw M6x8	C-103	Set Screw M8x20
C-26	Pulley	C-64	Roll PinA6x8	C-105	Spring Washer 10mm
C-27	Tension Shaft	C-65	Sets Screw M8x12	C-107	Riving Knife
C-28	Sunken Head Screw M8x20	C-66	Bearing 6002	C-108	Taping Screw ST4.2x10
C-29	Tension Rod	C-67	Lock Nut M6	C-109	Taping Screw ST4.2x26
C-30	Bearing 6002	C-68	Set Screw M8x40	C-110	Segement Blade Guard
C-31	Bearing 6205	C-69	Washer 8mm	C-111	Lock Bolt Guard
C-32	Spacer	C-70	Hex Head Screw M8x12	C-112	Half Blade Guard
C-33	Spacer	C-71	Circle Ring A20	C-113	Half Blade Guard
C-34	Eccentric Shaft	C-72	Circle Ring	C-114	Lock Washer 8mm
C-35	Circle Nut	C-73	Hex Head Screw M8x25	C-115	Knurled Nut
C-36	Nut	C-74	Hex Nut M8		
C-38	Thread	C-75	Pan Head Screw M6x12		
		C-76	Flat Washer 6mm		

# Exploded Diagram/Parts List

## Diagram/List D



# Exploded Diagram/Parts List

## Diagram/List D

No	Description	No	Description
D-1	Scale Cross Cut Table	D-40	Thin Nut M16
D-2	Washer 6mm	D-41	Support Swing Arm
D-3	Scale Cross Cut Table	D-42	Hex Screw M8x30
D-4	Allen Screw M6x12	D-43	Hex Screw M10x25
D-5	Eccentric Cam	D-44	Sunk Head Screw M6x12
D-6	Washer 8mm	D-45	T-Nut Extension Fence
D-7	Sunk Head Screw M6x10	D-46	Lock Plate
D-8	"Z" Lock Plate	D-47	T-Block
D-9	"Z" Lock Plate	D-48	Scale
D-10	Hex Screw M8x20	D-49	End Extension Fence
D-11	Lock Nut M6	D-50	Carriage Bolt M6x38
D-12	Hex Nut M6	D-51	Screw Guide
D-13	End Cap Cross Cut Table	D-52	Flip Stop Base
D-14	Cross Cut Table	D-53	Knurled Knob
D-15	Roller	D-54	Spring Flip Stop
D-16	Hex Screw M8x12	D-55	Set Screw
D-17	Bracket Roller	D-56	Spacer Ratchet Lever
D-18	Bracket Roller	D-57	Ratchet Lever, Flip Stop
D-19	Base Roller	D-58	Allen Screw M8x20
D-20	Support Rod Cross Cut Table	D-59	Stud Flip Stop
D-21	Joint Support	D-60	Flip Stop
D-22	Thin Hex Nut M10	D-61	Scale Extension Fence
D-23	Bearing 8104	D-62	Extension Fence
D-24	Swing Arm Extension	D-63	Scale Cross Cut Fence
D-25	Pan Head Screw M5x12	D-64	Taping Screw ST4.2 x12
D-26	Insert Swing Arm	D-65	End cap Cross Cut Fence
D-27	Woolen Sheet	D-66	Lock Stud Cross Cut Fence
D-28	Block	D-67	Carriage Bolt M8x70
D-29	Roll	D-68	T-Block
D-30	Bearing 6101	D-69	Flat Washer M8
D-31	Spacer Roll	D-70	Spacer Lock Handle
D-32	Pan Head Screw M5x6	D-71	Star-Type Lock Handle
D-33	Eccentric Shaft	D-72	Wing Nut M8
D-34	Swing Arm	D-73	Stud Cross Cut Table
D-35	Hex Screw M6x35	D-74	T-Block
D-36	Stop collar	D-75	Knurled Knob
D-37	Bearing 6202	D-76	End Cap Swing Arm
D-38	Shaft Swing Arm	D-77	T-Block Hold Down
D-39	Hex Screw M8x50	D-78	Washer 12 mm
		D-79	Stud Hold Down

# Exploded Diagram/Parts List

## Diagram/List E

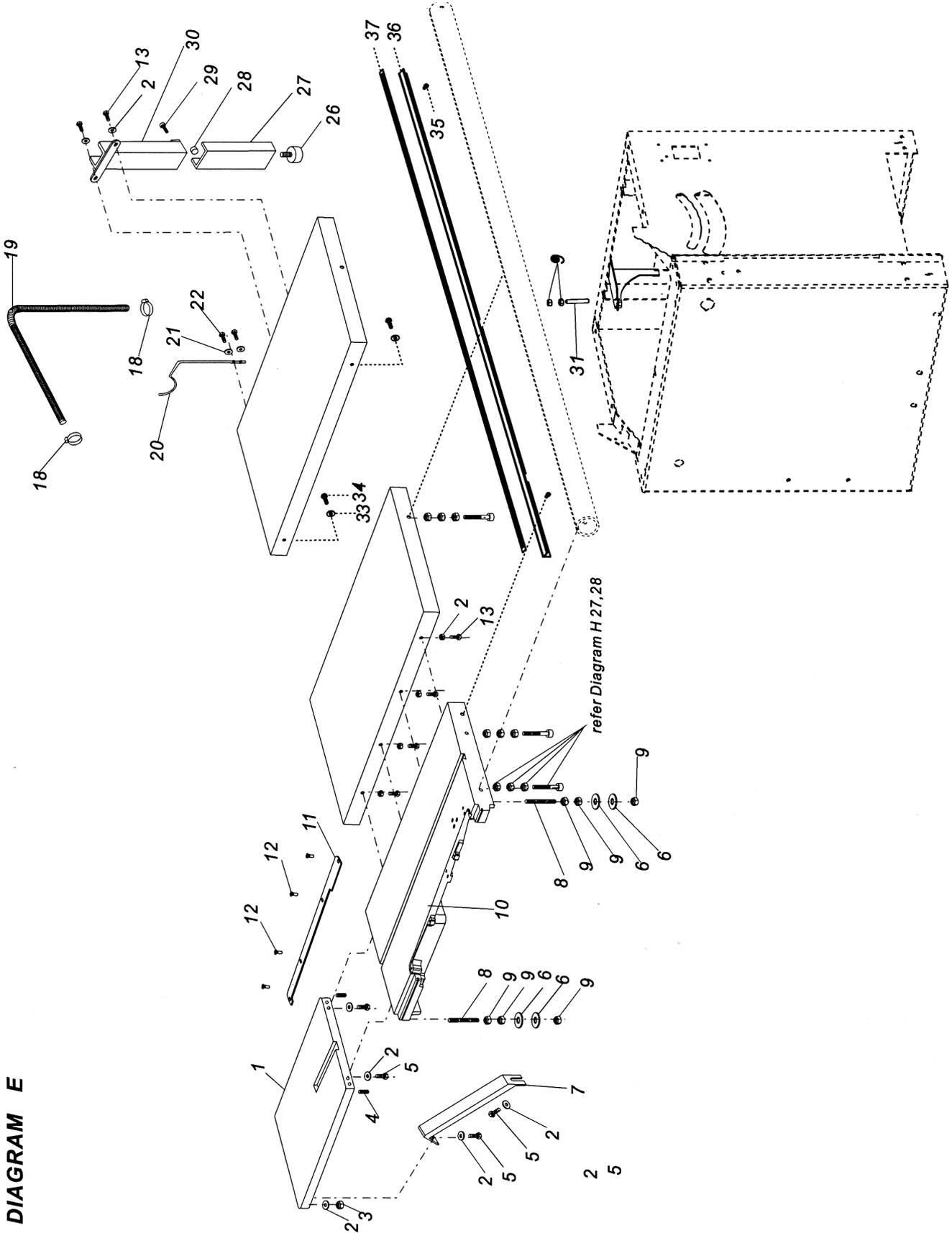


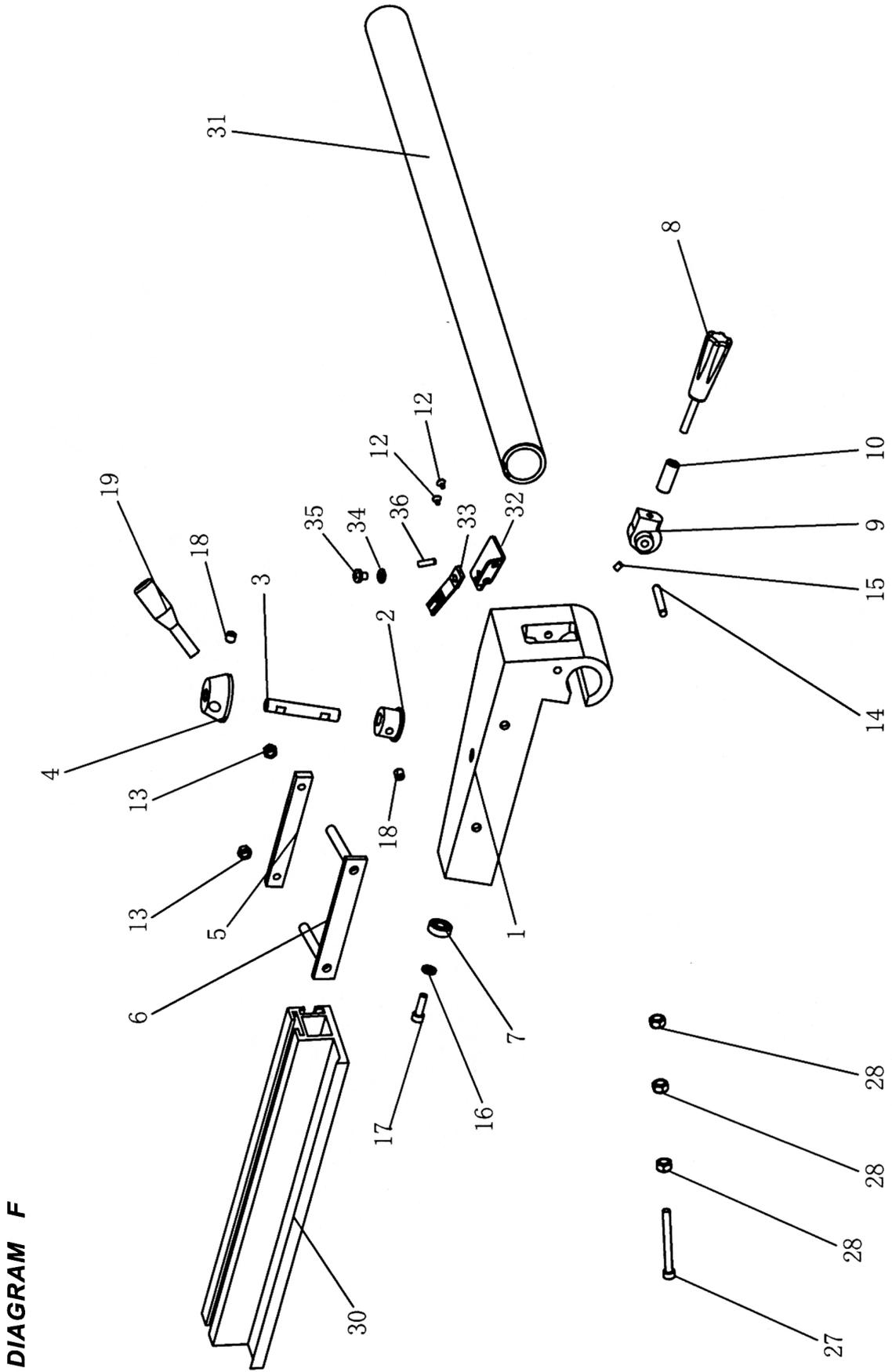
DIAGRAM E

## Diagram/List E

No	Description
E-1	Rear Extension Table
E-2	Washer 8mm
E-3	Hex Nut M8
E-4	Set Screw M6x12
E-5	Hex Screw M8x16
E-6	Flat Washer 10mm
E-7	Rea Table Support
E-8	Set screw M 10x70
E-9	Hex Nut M10
E-10	Main Table
E-11	Table Insert
E-12	Sunk Head Screw M5x10
E-13	Hex Screw M8x20
E-18	Hose Clamp 30mm
E-19	Dust Hose Diameter 30mm
E-20	Dust Hose Support
E-21	Washer 6mm
E-22	Hex Screw M6x20
E-26	Adjustable Disc
E-27	Lower Support
E-28	Disc Insert
E-29	Allen Screw M8x25
E-30	Upper Support
E-31	Set Screw M10x60
E-33	Washer 8mm
E-34	Hex Screw M8x25
E-35	Pan Head Screw M5x8
E-36	"L" Seat Scale
E-37	Scale

# Exploded Diagram/Parts List

Diagram/List F



## Diagram/List F

No	Description
F-1	Fence Carrier
F-2	Eccentric Ring
F-3	Lock Rod
F-4	Flange
F-5	Bolt Guide B
F-6	Bolt Guide A
F-7	Bearing
F-8	Lock Lever
F-9	Eccentric Gear
F-10	Spacer
F-11	Pointer
F-12	Pan Head Screw M4x8
F-13	Lock Nut M8
F-14	Roll Pin A8x60
F-15	Set Screw M6
F-16	Spring Washer 10mm
F-17	Allen Screw M10x25
F-18	Set Screw M10x12
F-19	Lever
F-30	Fence
F-31	Rail
F-32	Seat Pointer
F-33	Pointer
F-34	Washer 5mm
F-35	Pan Head Screw M5x6
F-36	Spring Pin 3x8









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