



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised re-cycling agent. This will allow the recycling of raw materials and help protect the environment.

FOR HELP OR ADVICE ON THIS PRODUCT PLEASE CONTACT YOUR DISTRIBUTOR, OR SIP DIRECTLY ON:  
TEL: 01509500400  
EMAIL: [sales@sip-group.com](mailto:sales@sip-group.com) or [technical@sip-group.com](mailto:technical@sip-group.com)  
[www.sip-group.com](http://www.sip-group.com)

Ref: 250915

**Sip**  
SIP INDUSTRIAL

machinery specialists since 1968

## 16" Variable Speed Scroll Saw

*With Flexi-Drive Shaft*



01947

*Please read and fully understand the instructions in this manual before operation. Keep this manual safe for future reference.*

# DECLARATION OF CONFORMITY

## Declaration of Conformity

We

SIP (Industrial Products) Ltd  
Gelders Hall Road  
Shepshed  
Loughborough  
Leicestershire  
LE12 9NH  
England

As the manufacturer's authorised representative within the EC  
declare that the

16" Variable Speed Scroll Saw - SIP Pt. No. 01947

**Conforms to the requirements of the following directive(s), as indicated.**

2006/95/EC	Low Voltage Directive
2006/42/EC	Machinery Directive
2004/108/EC	EMC Directive
2011/65/EU	RoHS Directive

**And the relevant harmonised standard(s), including,**

EN 55014-1:2006+A1+A2  
EN 55014-2:1997+A1+A2  
EN 61000-3-2:2006+A1+A2  
EN 61000-3-3:2013  
EN 61029-1:2009+A11

Signed:



Mr P. Ippaso - Managing Director - SIP (Industrial Products) Ltd  
Date: 31/05/2015.



Page No.	Description
4.	Safety Symbols Used Throughout This Manual
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## SAFETY SYMBOLS USED THROUGHOUT THIS MANUAL



**Danger / Caution:** Indicates risk of personal injury and/or the possibility of damage.



**Warning:** Risk of electrical injury or damage!



**Note:** Supplementary information.

## SAFETY INSTRUCTIONS



**IMPORTANT:** Please read the following instructions carefully, *failure to do so could lead to serious personal injury and / or damage to the scroll saw.*

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

Read all these instructions before operating the saw and save this user manual for future reference.

**SIP** recommends that this saw should *not* be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.

**KNOW YOUR POWER TOOL:** Read and understand the owner's manual and labels affixed to the saw. Learn its applications and limitations, as well as the potential hazards specific to this saw.

**KEEP WORK AREA CLEAN AND WELL LIT:** Cluttered work benches and dark areas invite accidents. Floors must not be slippery due to oil, water or sawdust etc.

**DO NOT USE THE SAW IN DANGEROUS ENVIRONMENTS:** Do not use power tools in damp or wet locations, or expose them to rain. Provide adequate space surrounding the work area. Do not use in environments with a potentially explosive atmosphere.

**KEEP CHILDREN AND UNTRAINED PERSONNEL AWAY FROM THE WORK AREA:** All visitors should be kept at a safe distance from the work area.

**STORE TOOLS SAFELY WHEN THEY ARE NOT IN USE:** The saw should be stored in a dry, locked cupboard wherever possible and out of the reach of children.

**WEAR THE CORRECT CLOTHING:** Do not wear loose clothing, neckties, rings, bracelets, or other jewellery, which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves up

## NOTES

above the elbow.

**USE SAFETY GOGGLES AND EAR PROTECTION:** Wear CE approved safety goggles at all times, Normal spectacles only have impact resistant lenses, they are **NOT** safety glasses. A face or dust mask should be worn if the operation is dusty and ear protectors (plugs or muffs) should be worn, particularly during extended periods of operation.

**PROTECT YOURSELF FROM ELECTRIC SHOCK:** When working with power tools, avoid contact with any earthed items (e.g. pipes, radiators, hobs and refrigerators, etc.). It is advisable wherever possible to use an RCD (residual current device) at the mains socket.

**STAY ALERT:** Always watch what you are doing and use common sense. Do not operate a power tool when you are tired or under the influence of alcohol or drugs.

**DISCONNECT THE SAW FROM THE MAINS SUPPLY:** When not in use, before servicing and when changing accessories such as blades etc.

**AVOID UNINTENTIONAL STARTING:** Make sure the switch is in the **OFF** position before connecting the tool to the mains supply.

**NEVER LEAVE THE SAW RUNNING / CONNECTED WHILST UNATTENDED:** Turn off the saw and disconnect it from the mains supply between jobs. Do not leave saw until it comes to a complete stop.

**DO NOT ABUSE THE MAINS LEAD:** Never carry the saw by the mains lead or pull it to remove the plug from the mains socket. Keep the mains lead away from heat, oil and sharp edges. If the mains lead is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid unwanted hazards.

**CHECK FOR DAMAGED PARTS:** Before every use of the saw, a guard or other part that is damaged should be carefully checked to determine that it will operate correctly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, and any other conditions that may affect its operation. A guard or other part that is damaged should be correctly repaired or replaced by an authorised service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorised service agent. Do not attempt to operate the tool if the switch does not turn it on and off.

**KEEP ALL GUARDS IN PLACE:** And in full working order.

**MAINTAIN TOOLS WITH CARE:** Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories. All extension cables must be checked at regular intervals and replaced if damaged.

**USE ONLY RECOMMENDED ACCESSORIES:** Consult this user manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards and will invalidate any warranty you may have.

**REMOVE ADJUSTING KEYS AND WRENCHES:** Form a habit of checking to see that keys and adjusting wrenches etc. are removed from the saw before every use.

**DO NOT OVERREACH:** Keep proper footing and balance at all times.

**USE THE RIGHT TOOL:** Do not use the saw or an attachment to do a job for which it

## SAFETY INSTRUCTIONS...cont

was not designed.

**DO NOT FORCE THE SAW:** It will do the job better and more safely at the rate which it was designed.

**DO NOT OPERATE THE SAW IN EXPLOSIVE ATMOSPHERES:** Do not use the saw in the presence of flammable liquids, gases, dust or other combustible sources. The saw may create sparks which can ignite the dust or fumes.

**DO NOT EXPOSE THE SAW TO RAIN OR USE IT IN WET CONDITIONS:** Water entering the saw will greatly increase the risk of electric shock.

**WARNING:** The dust generated by certain wood or wood derived products can be dangerous to the operator, as well as anyone in the areas health. Always operate The saw in well ventilated areas and provide dust removal where possible.

- Use only the blades specified for this saw.
- Before each use; Ensure that the blade is fully secure and that the tension on it is correct.
- Ensure that the table is properly secured so it will not move during operation.
- For your safety; remove the chippings and work debris etc. from the table top and from inside the extraction port before each operation.
- Make sure that all keys and wrenches are removed before switching on the saw.
- Keep hands out of path of the saw blade.
- Make sure the blade is clear of the work-piece before the switch is turned on.
- Allow the saw to run up to full speed before starting a cut.
- Stop operation immediately if you notice anything abnormal.
- Wait for the saw blade to stop completely and remove from mains supply before servicing or adjusting the saw.
- Be alert at all times, especially during repetitive, monotonous operations. Don't be lulled into a false sense of security. Blades are extremely unforgiving.
- Use of improper accessories may cause damage to the saw and surrounding area as well as increasing the risk of injury.
- Do not modify the saw to do tasks other than those intended.
- Do not cut work pieces too small to hold by hand outside the blade guard.
- The scroll saw must be bolted securely to a stand or workbench. If the saw has a tendency to move during certain operations, bolt the stand or workbench to the floor.
- Maintain a steady grip, avoid awkward positions and do not allow your hand to be in direct line of the cut.
- Make sure the blade is installed with the teeth pointing downward. To avoid lifting of the workpiece.
- Hold the workpiece firmly against the table.
- Do not feed the work too quickly while cutting, only feed at a rate so that the

## PARTS LIST....cont

Ref. No.	Description	SIP Part No.	Ref. No.	Description	SIP Part No.
61.	Pointer	WD01-01004	81.	Screw (M5 x 6)	WD01-01025
62.	Scale	WD01-01005	82.	Mains lead	WD01-01026
63.	Table	WD01-01006	83.	Shaft	WD01-01027
64.	Table insert	WD01-01007	84.	Bearing 80018	WD01-01028
65.	Transformer	WD01-01008	85.	Retainer ring (D22)	WD01-01029
66.	Transformer box	WD01-01009	86.	Retainer ring (D8)	WD01-01030
67.	Washer (M4)	WD01-01010	87.	Star washer (M5)	WD01-01031
68.	Screw (M4 x 8)	WD01-01011	88.	Key 3x8	WD01-01032
69.	Bolt (M8 x 12)	WD01-01012	89.	Coupler	WD01-01033
70.	Eccentric wheel	WD01-01013	90.	Screw (M5 x 12)	WD01-01034
71.	Motor	WD01-01014	91.	Safe cover	WD01-01035
N/A.	Motor brush	WD01-01015	92.	Flexible shaft	WD01-01036
72.	Switch box	WD01-01016	93.	Speed up cover	WD01-01037
73.	Strain relief	WD01-01017	94.	Spring column pin (3x10)	WD01-01038
74.	Screw (M4 x 10)	WD01-01018	95.	Belt	WD01-01039
75.	Variable switch	WD01-01019	96.	Pulley	WD01-01040
76.	Circuit board	WD01-01020	97.	Dustproof cover	WD01-01041
77.	Table tilt lock knob	WD01-01021	98.	Sawdust blower nozzle	WD01-01042
78.	Switch box cover	WD01-01022	99.	Screw (M5 x 6)	WD01-01043
79.	Switch	WD01-01023	100.	Pipe	WD01-01044
80.	Blade speed regulator	WD01-01024	N/A.	Replacement accessory kit	WD01-01045

## PARTS LIST

Ref. No.	Description	SIP Part No.	Ref. No.	Description	SIP Part No.
1.	Screw (M5 x 8)	WD01-00945	31.	Top blade holder	WD01-00975
2.	Washer (M5)	WD01-00946	32.	Star washer (M4)	WD01-00976
3.	Side cover	WD01-00947	33.	Screw (M4 x 20)	WD01-00977
4.	Nut (M6)	WD01-00948	34.	Stand cushion	WD01-00978
5.	Spring washer (M6)	WD01-00949	35.	Assorted blades (10 pack)	06849
6.	Base	WD01-00950	36.	Screw (M5 x 25)	WD01-00979
7.	Oil cap	WD01-00951	37.	Cushion	WD01-00980
8.	Left stand	WD01-00952	38.	Eccentric connection	WD01-00981
9.	Blade tension assembly	WD01-00953	39.	Radial Ball Bearing with dust cover	WD01-00982
10.	Extension spring	WD01-00954	40.	Nut (M5)	WD01-00983
11.	Pressure plate	WD01-00955	41.	Connection pressure plate	WD01-00984
12.	Spring washer (M4)	WD01-00956	42.	Screw (ST 4.2 X 9.5)	WD01-00985
13.	Screw (M4 x 8)	WD01-00957	43.	Small Cushion	WD01-00986
14.	Lower arm	WD01-00958	44.	Bolt (M5 x 16)	WD01-00987
15.	Upper arm	WD01-00959	45.	Lower blade holder	WD01-00988
16.	Oil bearing	WD01-00960	46.	Blade tension knob	WD01-00989
17.	Screw (M4 x 6)	WD01-00961	47.	Pressure rod	WD01-00990
18.	Wire clip	WD01-00962	48.	Screw (M5 x 30)	WD01-00991
19.	Right stand	WD01-00963	49.	Blade guard	WD01-00992
20.	Spring washer (M5)	WD01-00964	50.	Work piece plate	WD01-00993
21.	Screw (M5 x 35)	WD01-00965	51.	Washer (M6)	WD01-00994
22.	Safe plate	WD01-00966	52.	Screw (M6 x 10)	WD01-00995
23.	Bellow cap	WD01-00967	53.	Wire plate	WD01-00996
24.	Screw (M5 x 28)	WD01-00968	54.	Spring washer (M8)	WD01-00997
25.	Adjustable light	WD01-00969	55.	Bolt (M8 x 25)	WD01-00998
26.	Bulb (bayonet 12v/10w)	WD01-00970	56.	Bolt (M6 x 20)	WD01-00999
27.	Fixing Nut	WD01-00971	57.	Washer (M6)	WD01-01000
28.	Bellow	WD01-00972	58.	Tension spring	WD01-01001
29.	Fixing plate	WD01-00973	59.	Bolt (M6 x 35)	WD01-01002
30.	Dome screw (M6 x 20)	WD01-00974	60.	Table support	WD01-01003

## SAFETY INSTRUCTIONS...cont

blade can perform the cut without overloading the saw.

- Be very cautious when cutting material of uneven cross section such as mouldings, ensure the material is laying flat and firmly on the table.
- This scroll saw is for indoor use only.
- Clear the work table of all objects except the workpiece (tools, scraps, rulers etc.) before turning the saw on.
- When cutting a large piece of material, support it at the height of the table.
- Make sure there are no nails or foreign objects in the part of the workpiece to be sawn.
- Never put too much pressure when using the Flexi-Drive attachment; This will stall the tool.
- Understand the operating environment; Before each use the operator should assess, understand and where possible reduce the specific risks and dangers associated with the operating environment. Bystanders should also be made aware of any risks associated with the operating environment.



When using the saw always ensure the operator as well as those in the area wear ear protection.



When using the saw always ensure the operator as well as those in the area wear eye protection.



Some wood and wood composites have the potential to be highly toxic; always wear a face mask when operating saw.



**Caution:** The warnings and cautions mentioned in this user manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied.



## TECHNICAL SPECIFICATIONS

Part number	01947
Input voltage	230v ~ 50hz
Motor	90W (S2, 30 Minutes)
Speed	550 - 1600 s/min
Throat	406 mm
Maximum workpiece height	50 mm
Stroke	15 mm
Table Tilt	0° - 45°
Net Weight	13kg

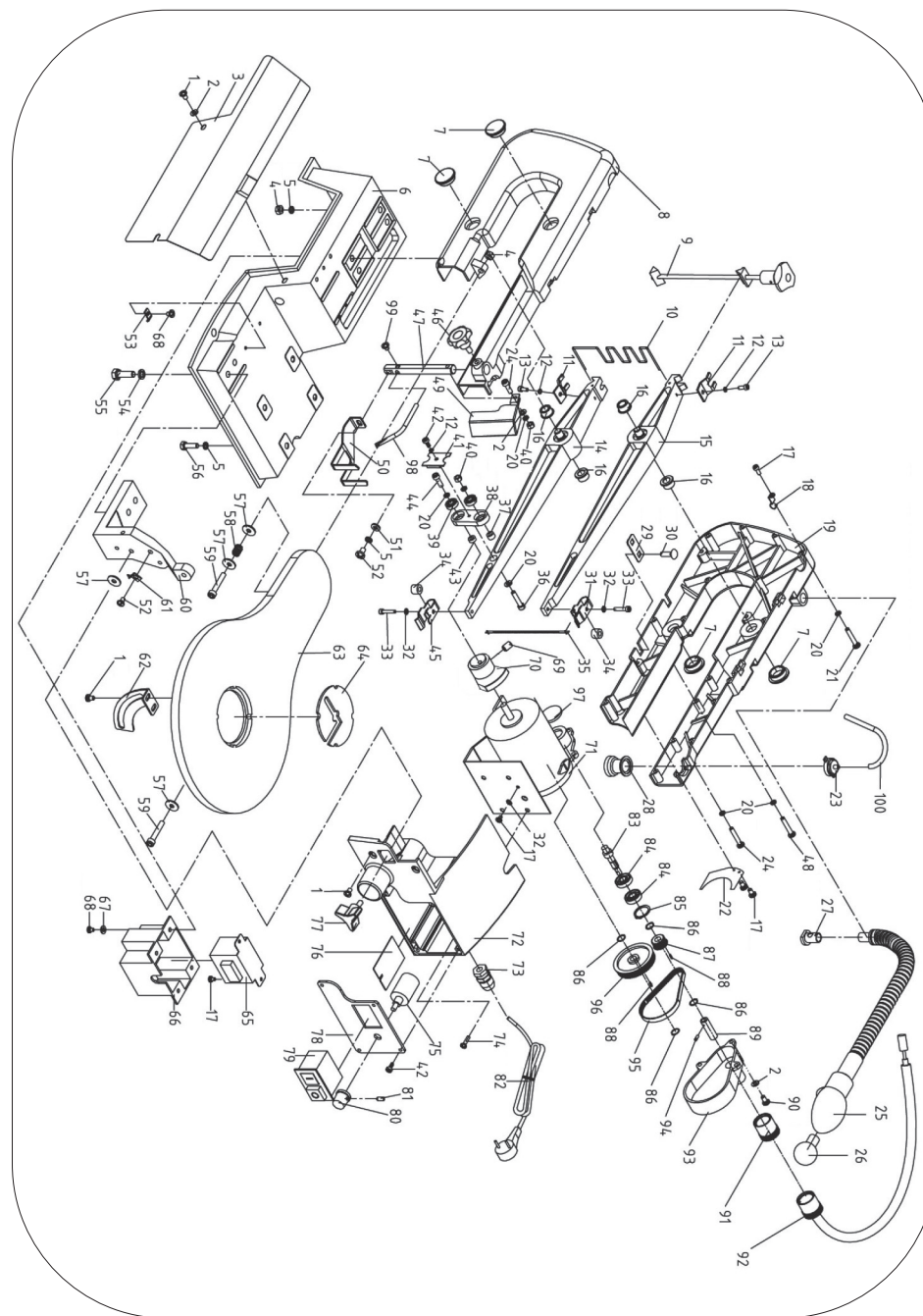
## CONTENTS AND ACCESSORIES

- Scroll Saw (with pinned blade fitted)
- Blade Guard
- Blade Wrench (Hex. Key)
- Pin-Less Blade Clamps x 2
- Flexi-Drive Tool
- 64 Piece Kit for Flexi-Drive
- Wrench and Key for Flexi-Drive Tool
- Instruction Manual



**Note:** If any parts are missing, contact your distributor for the missing parts to be replaced.

## EXPLODED DRAWING



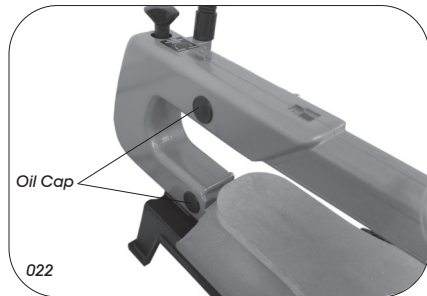


## MAINTENANCE....cont

### LUBRICATION

Lubricate the arm bearings with oil after 10 hours of use, then every 50 hours thereafter as follows:

- Turn saw on its side.
- Prise off the rubber oil caps covering the pivot shafts (022).
- Squirt a small amount of lubricating oil around the shaft end and bronze bearing.
- Let the oil soak in then repeat the above procedure for the opposite side of the saw.



### GENERAL

- Ensure the blade guard is kept clean with a damp cloth (do not clean the guard or any part of the saw with a corrosive solvent) to reduce the risk of injury.
- Keep your scroll saw clean.
- Do not allow pitch to accumulate on the saw table. Clean it with gum and pitch remover.

## ELECTRICAL CONNECTION

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

You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage.

You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices; A residual current circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a residual current device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician.

### Connecting to the power supply:

This SIP scroll saw is fitted with a standard 230v ~ 13 amp type plug. Before using the saw, inspect the mains lead and plug to ensure that neither are damaged. If any damage is visible have the saw inspected / repaired by a suitably qualified person. If it is necessary to replace the plug a heavy duty impact resistant plug would be preferable.

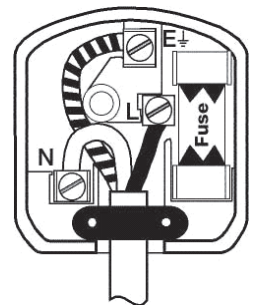
### The wires for the plug are coloured in the following way:

Yellow / green	Earth
Blue	Neutral
Brown	Live

As the colours of the wires may not correspond with the markings in your plug, proceed as follows: The wire which is coloured blue, must be connected to the terminal marked with N or coloured black. The wire which is coloured brown, must be connected to the terminal, which is marked L or coloured red. The wire which is coloured yellow / green should be connected to the terminal which is coloured the same or marked



Always secure the wires in the plug terminal carefully and tightly. Secure the cable in the cord grip carefully.



## ELECTRICAL CONNECTION....cont



**Warning:** Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved plug with the correct rated fuse. If in doubt consult a qualified electrician.



**Note:** Always make sure the mains supply is of the correct voltage and the correct fuse protection is used. In the event of replacing the fuse always replace the fuse with the same value as the original.



**Note:** If an extension lead is required in order to reach the mains supply; ensure that this too is rated for the correct voltage and fuse rating.



**Note:** The cross section of the extension lead should be checked so that it is of sufficient size so as to reduce the chances of voltage drops.

## GUARANTEE

This SIP scroll saw is covered by a 12 month parts and labour warranty covering failure due to manufacturers defects. This does not cover failure due to misuse or operating the saw outside the scope of this manual - any claims deemed to be outside the scope of the warranty may be subject to charges including, but not limited to parts, labour and carriage costs. Consumable items such as fuses, blades and motor brushes are not covered by the warranty.

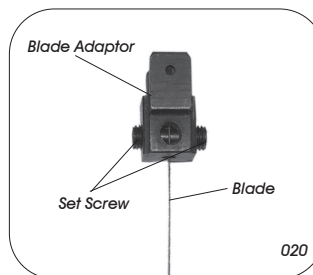
This saw is designed to **ONLY** cut wood or wood derived products.

In the unlikely event of warranty claims, contact your distributor as soon as possible.



**Note:** Proof of purchase will be required before any warranty can be honoured.

## MAINTENANCE....cont



**Note:** Pluck the back straight edge of the blade while turning the tension adjusting knob; The sound becomes higher pitched as tension increases.

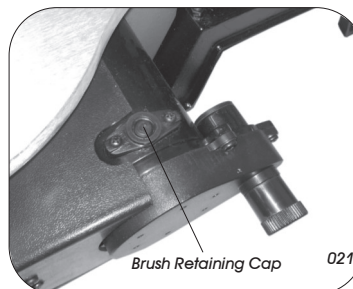


**Warning!** The blade should always be fitted with the teeth pointing down towards the main table.

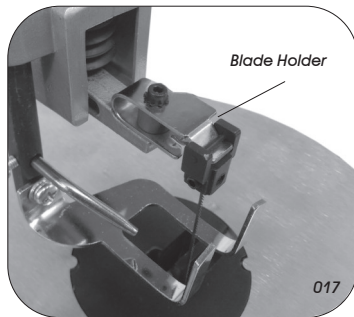
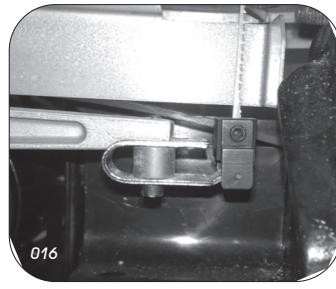
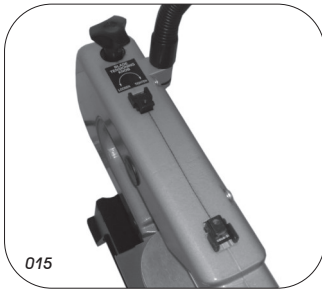
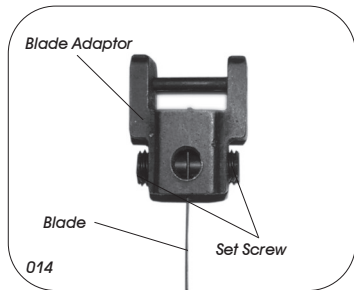
### REPLACING THE CARBON BRUSHES

During normal operation, over time, the carbon brushes will wear and should be checked periodically.

- Using a flat blade screwdriver, remove the upper brush retaining cap from the top of the motor (021).
- Gently pry the brush assembly out using a small screwdriver.
- The second carbon brush can be accessed through the access port on the opposite of the motor.
- Remove this in the same way.
- If either of the brushes are shorter than  $\frac{1}{4}$ " (6 mm), replace both brushes as a pair.
- Make sure the brush cap is positioned correctly (straight) then tighten the brush retaining cap using a hand screwdriver only - **Do not overtighten**.

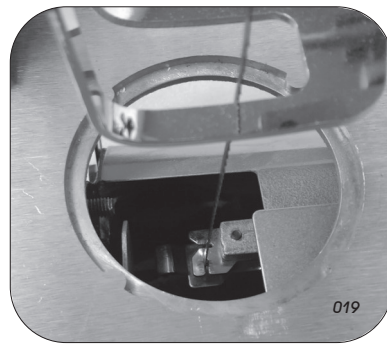
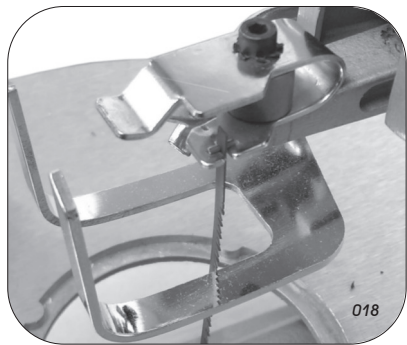


## MAINTENANCE....cont



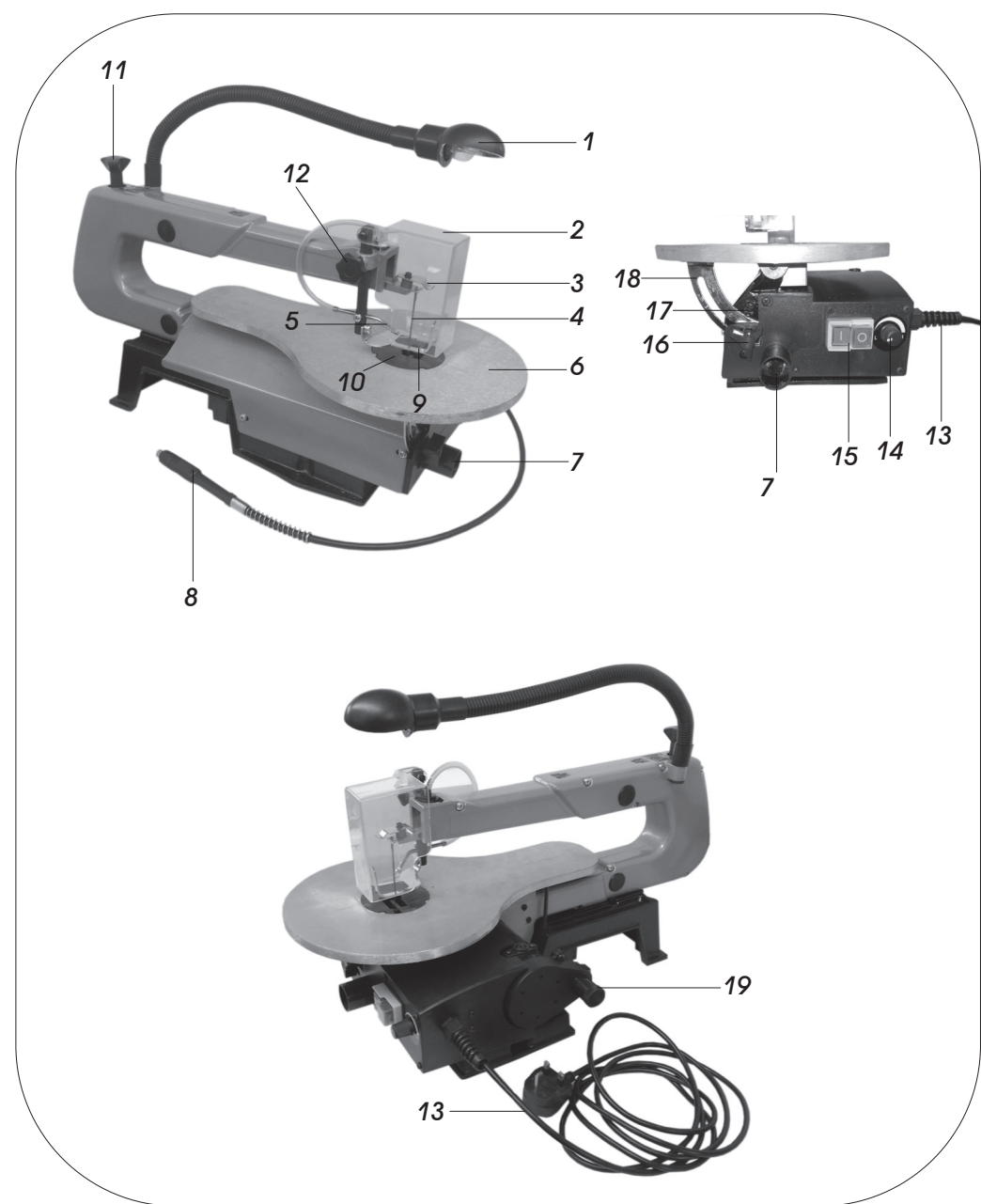
Cutting from the side of the saw will be necessary when your workpiece exceeds 406mm in length. With the blade positioned for side cutting the table **must always remain in the 0° bevel position.**

- For pinned blades; Follow the above instructions, but fit it as shown, upper (018) & lower (019).



- For pin-less blades; Remove both set screws from each blade adaptor, thread them into the opposite holes in the blade adaptor perpendicular to the retaining pin (020).
- Fit the same way as if cutting normally.

## GETTING TO KNOW YOUR SAW



## GETTING TO KNOW YOUR SAW....cont

Ref. No.	Description	Ref. No.	Description
1.	Adjustable Lamp	11.	Blade Tensioner
2.	Blade Guard	12.	Drop Foot Height Adjust Lock
3.	Upper Blade Holder	13.	Mains Lead
4.	Blade	14.	Speed Adjust
5.	Dust Blower	15.	On/Off NVR Switch
6.	Main Table	16.	Table Angle Lock
7.	Dust Extraction Port	17.	Table Angle Pointer
8.	Flexi-Drive Attachment	18.	Table Angle Scale
9.	Drop Foot	19.	Flexi-Drive Socket
10.	Table Insert		

## ASSEMBLY INSTRUCTIONS

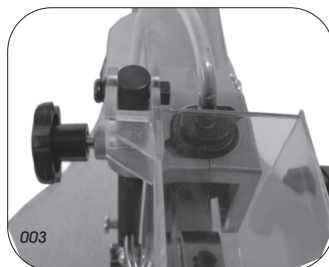
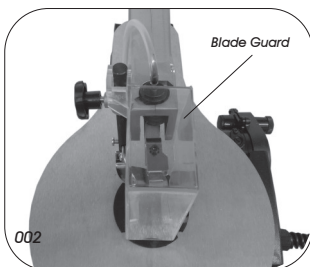
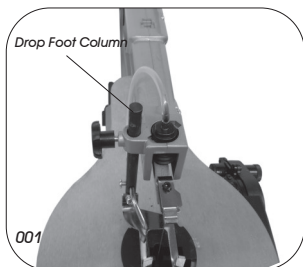
### FITTING THE BLADE GUARD

The only assembly required is to fit the blade guard:

- The blade guard fits at the top of the drop foot height adjust column (see 001).
- Slide the guard over the column, ensuring that the holes line up (002).
- Fit the supplied screw through the hole and tighten to secure (003).



**Note:** Do not overtighten the screw; The guard should be able to drop under its own weight.



## MAINTENANCE



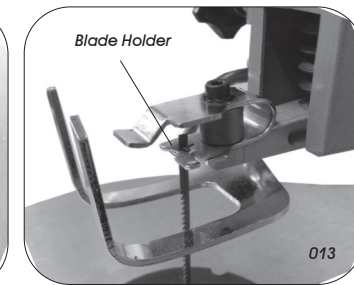
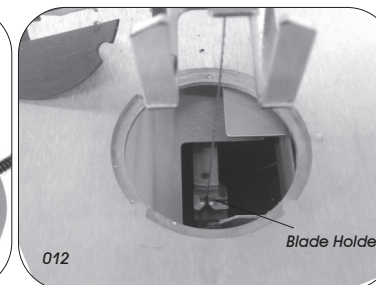
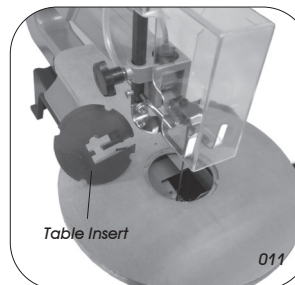
**Warning!** Always ensure that the saw is turned off and that the plug is disconnected from the mains supply before carrying out any adjustments, repairs or maintenance.

### FITTING A BLADE

The saw can accept both pinned and pin-less blades; The pinned blades simply hook over the blade holder and the pin-less blades are fitted with the use of blade clamps.

#### Pinned Blades:

- Remove the table insert (011).
- Turn the blade tension knob anticlockwise to remove the tension from the saw blade.
- Hook the blade under the lower blade holder (012).
- Press down on the top blade holder and hook the blade over the upper blade holder (013).
- Refit the table insert.
- Turn the blade tension knob clockwise to tension the blade.



#### Pin-Less Blades:

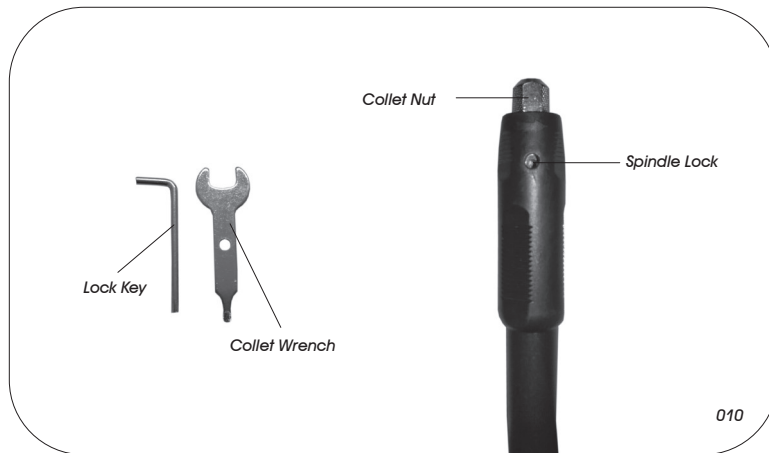
- Adjust the set screws on both pin-less blade adaptors so that they are as central as possible; Leave enough room between the 2 screws to allow you to slide a blade between them (014).
- Set the adaptors onto the top arm of the scroll saw; This will allow you to set the blade at the correct length (015).
- Slide a blade between both adaptors.
- Fully tighten the set screws to hold the blade in place.
- Hook the blade adaptor under the front part of the lower blade holder (016).
- Press down on the top blade holder and hook the blade adaptor over the front of the upper blade holder (017).
- Refit the table insert.
- Turn the blade tension knob clockwise to tension the blade.



## OPERATING INSTRUCTIONS....cont

### Fitting Accessories To The Flexi-Drive Attachment:

- Insert the spindle lock key into the spindle lock hole situated in the handle of the flexible shaft.
- Turn the collet nut until the spindle lock engages and prevents the shaft from rotating.
- Insert the required accessory and tighten the collet with the wrench provided. Remove the spindle lock key.



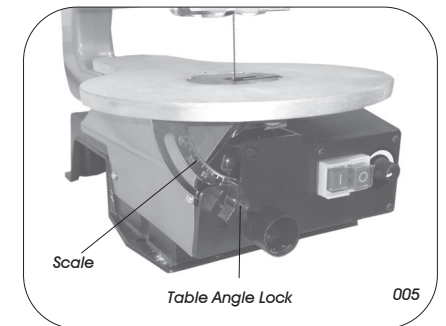
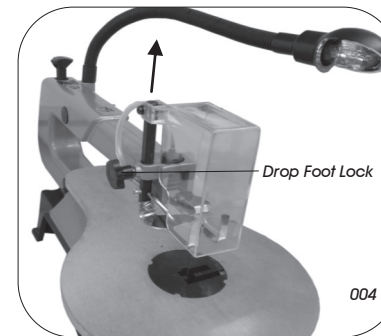
## OPERATING INSTRUCTIONS



**Note:** The scroll saw should be bolted securely to a stand or workbench before operation.

### SETTING THE TABLE ANGLE

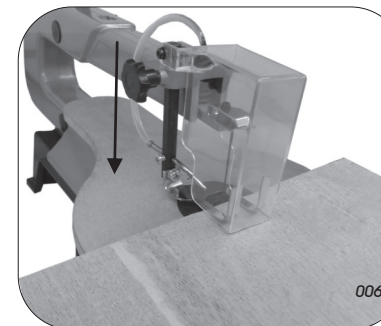
- Loosen the drop foot height lock and lift the drop foot as high as it will go and retighten the lock; This will give you clearance to adjust the table angle (004).
- Loosen the table angle lock and adjust the table to the required angle as shown on the table angle scale, retighten the lock to secure (005).



### SETTING THE DROP FOOT

The drop foot should be set as close to the workpiece as possible, whilst still allowing it to move freely.

- Set the workpiece on the table.
- Loosen the drop foot lock and set the drop foot close to the workpiece.
- Retighten the drop foot lock to secure the drop foot in position.



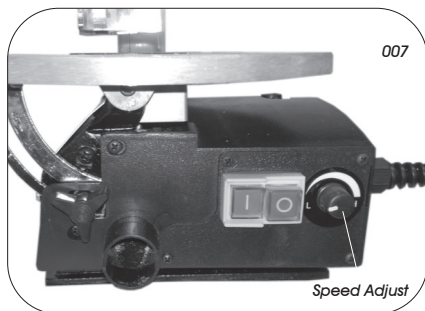
## OPERATING INSTRUCTIONS....cont

### SETTING THE SPEED

The adjustable speed function allows you to set the blade speed appropriate to the material to be cut.

The speed may be adjusted from 550 to 1,600 S/Min (Strokes Per Minute).

- To increase the strokes per minute, turn the speed adjust clockwise.
- To decrease the strokes per minute, turn the speed adjust counter-clockwise.



### OPERATING THE ADJUSTABLE LAMP

- Simply move the adjustable lamp into the required position; It will automatically stay in that position until the operator moves it.
- The lamp will operate when the saw is running, and will turn off when the saw is not running.

### TURNING THE SAW ON/OFF

Once fully assembled and adjusted, and all safety precautions have been followed; the scroll saw is ready to be run.

Your SIP scroll saw is fitted with a safety NVR (No Volt Release) switch. This means that if power is cut to the saw (such as in a power failure); the motor will not start to run once the power is returned without the operator following the instructions below to restart the saw.

- Connect the plug to the correct power supply and switch it on.

To start the saw - press the green (I) button.

To stop the saw - press the red (O) button.

## OPERATING INSTRUCTIONS....cont

### DUST BLOWER OPERATION

The dust blower is designed and pre-set to direct air to the most effective point on the cutting line.

Ensure the drop foot is adjusted to secure the workpiece and direct air at the cutting surface.

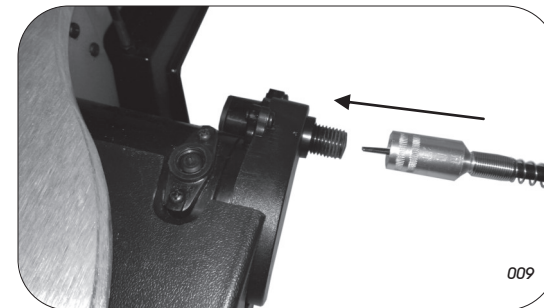
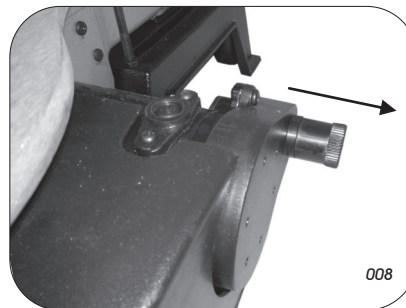


**Note:** The dust blower will help to clear the cutting line, but for more effective dust extraction, a separate dust collector should be connected to the dust extraction port.

### OPERATING THE FLEXI-DRIVE ATTACHMENT

The Flexi-Drive attachment is driven when it is connected to the Flexi-Drive socket on the side of the saw.

- Ensure that the saw is turned off and that the plug is removed from the mains supply.
- Unscrew and remove the protection cover (008).
- Insert the Flexi-Drive attachment over the socket and fully tighten to secure (009).



The operation and the speed of the Flexi-Drive attachment is controlled by the same switches as the saw.

- Connect the plug to the correct power supply and switch it on.

To start the Saw / Flexi-Drive attachment - press the green (I) button.

To stop the Saw / Flexi-Drive attachment - press the red (O) button.

- Set the speed with the speed adjust (page 14).