LUMBERJACK SS457V Professional Variable Speed Scroll Saw Instruction Manual

Contents

LUMBERJACK SS457V Professional Variable Speed Scroll Saw

Safety Instructions

- Read and understand the entire instruction manual before attempting assembly or operation.
- Always wear safety goggles, ear protection, and dust protection.
- Avoid contact with moving saw blade. Keep hands and fingers away.
- Machine should be properly grounded.
- Keep safety guards in place at all times when the machine is in use.

Product Usage Instructions

1. Choose the proper power source, voltage, and frequency as specified on the label of the scroll saw.
2. Ensure the machine is properly grounded before operation.
3. Adjust the blade length and angle as needed for the desired cutting pattern.
4. Wear appropriate safety gear including goggles, ear protection, and dust mask.
5. Avoid operating the machine while fatigued or under the influence of substances.
6. Keep the work area clean and free of obstructions.
7. Disconnect the machine from the power supply before making any adjustments or servicing.

Frequently Asked Questions (FAQ)

- **Q: Can I use this scroll saw for cutting metal materials?**
  - **A:** No, this scroll saw is designed for cutting intricate curves and patterns in wood or plastic materials only. It is not suitable for cutting metal.
- **Q: What should I do if the blade becomes dull?**
  - **A:** If the blade becomes dull, it should be replaced with a new one following the instructions provided in the manual. Always ensure the machine is disconnected from the power supply before changing the

blade.

- **Q: How do I adjust the speed of the scroll saw?**
  - **A:** The speed of the scroll saw can be adjusted using the variable speed control feature. Refer to the manual for detailed instructions on adjusting the speed based on your cutting requirements.

INFORMATION

- This scroll saw is an electric saw that cuts intricate curves and patterns in wood or plastic materials.
- This manual must be read and understood before operating the machine.
- This will provide a better working knowledge of the machine, for increased safety and to obtain the best results.

PRODUCT SPECIFICATIONS

Attention:
Please choose proper power source, voltage and frequency that are shown on the label of your scroll saw.

Model	**SS457V**	**SS558V**
Voltage	230V/50Hz	230V/50Hz
Motor Power	80W	80W
Throat depth	460mm (18″)	560mm (22″)
Max. Cutting Height	50mm (2″)	50mm (2″)
Strokes per Minute(SPM)	550-1550 Variable Speed	550-1550 Variable Speed
Stroke	20mm (3/4″)	20mm (3/4″)
Blade Length	130mm (5″)	130mm (5″)
Working Table	580 x 310mm	650 x 352mm
Blade Tilting Angle	-30(Left)~+45º Right	-30(Left)~+45º Right
Dust Port Diameter	35mm	35mm
Weight	26KG	29KG
Product Dimensions **(width x depth x height)**	330 x 765 x 440mm	360 x 870 x 440mm

Characteristics noise values
Noise characteristic values according to EN ISO 3744.

The given values are emission values and do not present safe working values. Although there is a correlation between emission and nuisance levels, the relationship is not dependable as an indicator as to whether additional safety measures are necessary or not. Factors specific to the workplace can influence the nuisance level, such as the length of activity, the characteristics of the work room, other sources of noise, etc., for instance the number of machines and other nearby activities. Dependable work place values can also vary from country to country.
This information should, nonetheless, allow a better estimation of possible dangers and risks.

Scroll Saw	Noise Power Level	Sound Pressure Level
No-load	75 dB(A)	64 dB(A)
Active work	85 dB(A)	72 dB(A)

The factor of measurement uncertainty is 4 dB(A).

SAFETY INSTRUCTIONS

SYMBOLS

 Read and understand the entire instruction manual before attempting assembly or operation.

 Attention, General safety notice.

 Risk of electric shock! Risk of personal injury by electric shock.

 Always wear safety goggles and ear protection.
Always wear dust protection.

 Always tie back or cover long hair.

 DANGER! Keep hands and fingers away from moving saw blade.

 CE / UKCA mark

 Any damaged or disposed electric or electronic devices must be delivered to appropriate collection centre. Batteries, oil, and similar substances must not enter the environment.

SAFETY INSTRUCTIONS

1. Read and understand entire owner's manual before starting, using, servicing and carrying out any other operation on the machine.
2. Read and understand the warnings posted on the machine and in this manual. Failure to comply with all of

these warnings may cause serious injury.

3. Replace warning labels if they become obscured or removed.
4. This scroll saw is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of a scroll saw, do not use until proper training and knowledge have been obtained.
5. Do not use this scroll saw for other than its intended use.
6. Always wear approved safety glasses or a face shield while using this machine. (Everyday eye glasses only have impact resistant lenses; they are not safety glasses.)
7. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.
8. Do not wear clothing, apparel or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to reduce risk of slipping and losing control or accidentally getting in contacting with the tools moving parts.
9. Keep work area clean. Cluttered areas and benches invite accidents
10. Use proper extension cord. Make sure your extension cord Is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.
11. Always disconnect the machine from the power supply BEFORE making adjustments, changing tooling, or servicing machine. This prevents an injury risk from unintended startup or contact with live electrical components.
12. Do not operate this machine while tired or under the influence of drugs, alcohol or any medication.
13. Make certain machine is properly grounded.
14. Remove adjusting keys and wrenches. Form a habit of checking to see that keys and adjusting wrenches are removed from the machine before turning it on.
15. Keep safety guards in place at all times when machine is in use. If removed for maintenance purposes, use extreme caution and replace the guards immediately after completion of maintenance.
16. Check damaged parts. Before further use of machine, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
17. Keep floor around machine clean and free of scrap material, oil and grease.
18. Keep visitors a safe distance from work area. Keep children away.
19. Give your work undivided attention. Looking around, carrying on a conversation, etc. are careless acts that can result in serious injury.
20. Maintain a balanced stance at all times so that you do not fall into the blade or other moving parts. Do not overreach or use excessive force to perform any machine operation.
21. Use the right tool at the correct speed and feed rate. Do not force a tool or attachment to do a job for which it was not designed for. The right tool will do the job better and more safely.
22. Use recommended accessories; improper accessories may be hazardous.
23. Maintain the machine with care. Keep blades sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
24. Turn off machine before cleaning. Use a brush or compressed air to remove chips or debris— not your hands.
25. Do not stand on the machine. Serious injury could occur if machine tips over.
26. Never leave machine running unattended.

27. Remove loose items and unnecessary work pieces from area before starting the machine.
28. Keep hands and fingers away from the moving saw blade.
29. Don’t use in dangerous environment. Do not expose machine to rain or use in wet or damp locations. Keep work area well lit.
30. Blade guards and covers protect the operator from moving saw blade. ONLY operate scroll saw with blade guard in proper position.
31. This machine is intended for cutting natural and man-made wood products, and laminate covered wood products. This machine is NOT designed to cut metal, glass, stone, tile, etc.
32. Connect the dust suction hoods to and adequate suction system; suction must always be activated when the machine is switched on.
33. Scroll saw must be secured to a sturdy foundation. If there is a tendency for the stand or workbench to move, it must also be secured to the floor.
34. Blade must be properly tensioned before operating. Failure to do so could result in blade breakage and possible injury.
35. Never start saw with workpiece in contact with the blade.
36. Always keep fingers and hands away from the blade. Avoid awkward hand positions where a sudden slip might cause your hand to move into or toward the blade.
37. Always hold stock firmly against the table. The provided hold-down should be correctly positioned over the workpiece.
38. Do not attempt to saw any stock that does not have a flat surface, without a suitable support. Do not cut pieces of material too small to hold by hand.
39. Care must be taken when cutting material with an irregular cross section. The blade could pinch before the cut is completed. Any stock, such as frame molding, must lie flat on the table surface and not be allowed to rock.
40. Dowels or tubing have a tendency to roll while being cut and cause the blade to “bite.” Round material should be held firmly against the table.
41. Turn off the saw before backing stock out of an incomplete cut. Only remove jammed cut-off pieces after blade has stopped.
42. Make “relief” cuts before cutting long curves.
43. When cutting large or oversize stock, always make sure material is supported at the table height.
44. Do not feed workpiece too fast while cutting. Feed workpiece only fast enough for the blade to cut.
45. Make sure the blade teeth face down toward the table and the blade is properly tensioned before operating.
46. Always support and feed the small workpiece with push sticks, jig, vice, or some type of clamping fixture.
47. Always allow the blade to come to full speed before starting cut.
48. Never use your hands to move cut-offs away from the blade while the saw is running.

RESIDUAL RISKS

WARNING: Despite the abidance of all safety regulations and rules described in this manual,some extra risks may still happen and the followings are most often observed:

- Contact with tool
- Contact with moving parts
- Recoil of the piece or part of it
- Accidents due to wood splinters or fragments
- Tool insert ejection

- Electrocution from contact with live parts
- Danger due to incorrect tool installation
- Danger due to incorrect electrical connection

ELECTRICAL REQUIREMENTS

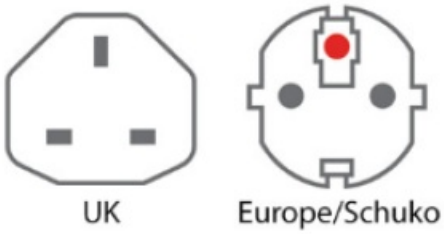
POWER SUPPLY AND MOTOR SPECIFICATIONS

WARNING: To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection. Use a separate electrical circuit for your tools. To avoid shock or fire, if power cord is worn or cut, or damaged in any way, have it
replaced immediately!

GROUNDING INSTRUCTIONS

- **WARNING:** This tool must be grounded while in use to protect the operator from electrical shock.
- IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides a path of less resistance for electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment grounding conductor and a grounding plug. The plug MUST be plugged into a matching receptacle that is properly installed and grounded in accordance with ALL local codes and ordinances.
- DO NOT MODIFY THE PLUG PROVIDED. If it will not fit the receptacle, have the proper receptacle installed by a qualified electrician.
- IMPROPER CONNECTION of the equipment grounding conductor can result in risk of electric shock. The conductor with green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, DO NOT connect the equipment grounding conductor to a live terminal.
- CHECK with a qualified electrician or service person if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

Refer to either picture:



WARNING: Improper connection of equipment grounding conductor can result in the risk of electrical shock. Equipment should be grounded while in use to protect operator from electrical shock.

- Check with a qualified electrician if you do not understand grounding instructions or if you are in doubt as to whether the tool is properly grounded.
- Do not remove or alter grounding prong in any manner. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electrical shock.

WARNING: This machine is for indoor use only. Do not expose to rain or use in damp locations.

GUIDELINES FOR EXTENSION CORDS
USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and cause overheating.

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it. Protect your extension cords from sharp objects, excessive heat and damp or wet areas.

ACCESSORIES AND ATTACHMENTS

RECOMMENDED ACCESSORIES

WARNING: To avoid injury:

- Use only accessories recommended for this machine.
- Follow instructions that accompany accessories. Use of improper accessories may cause hazards.
- Use only accessories designed for this machine to avoid injury from thrown broken parts or workpieces.
- Do not use any accessory unless you have completely read the instruction or operator's manual for that accessory.

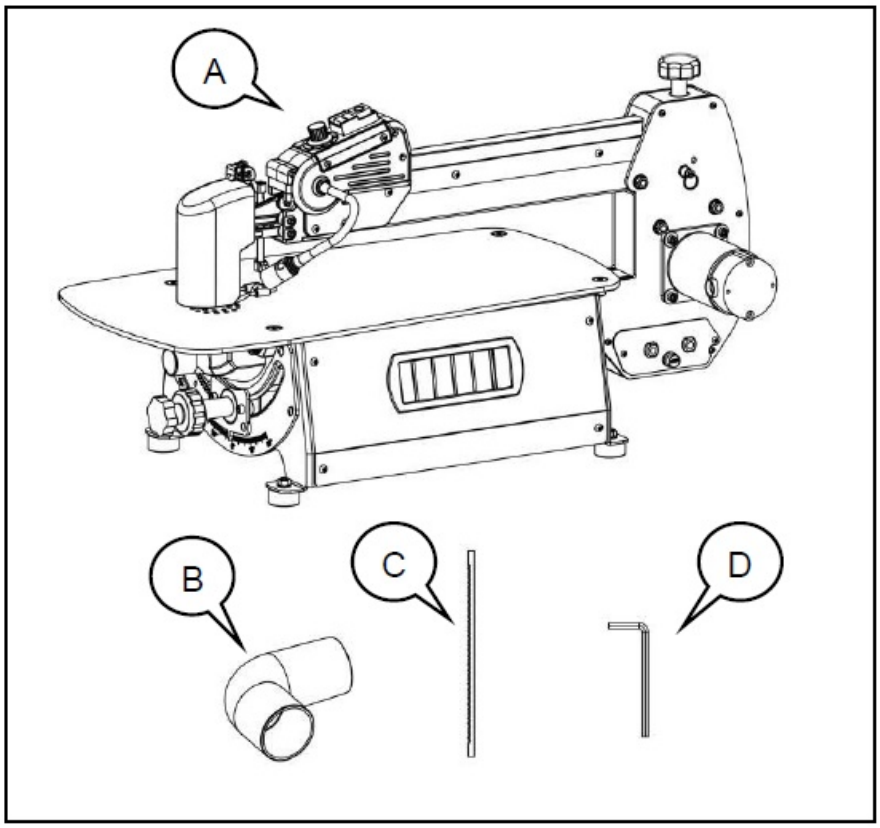
CARTON CONTENTS

UNPACKING AND CHECKING CONTENTS
Carefully unpack the scroll saw and all its parts, and compare against the illustration following.

WARNING:

- To avoid injury from unexpected starting, do not plug the power cord into a power source receptacle during unpacking and assembly. This cord must remain unplugged whenever you are assembling or adjusting the scroll saw.
- If any part is missing or damaged, do not plug the scroll saw in until the missing or damaged part is replaced, and assembly is complete.

TABLE OF LOOSE PARTS
Unpack carton; check your machine to see parts listed below:

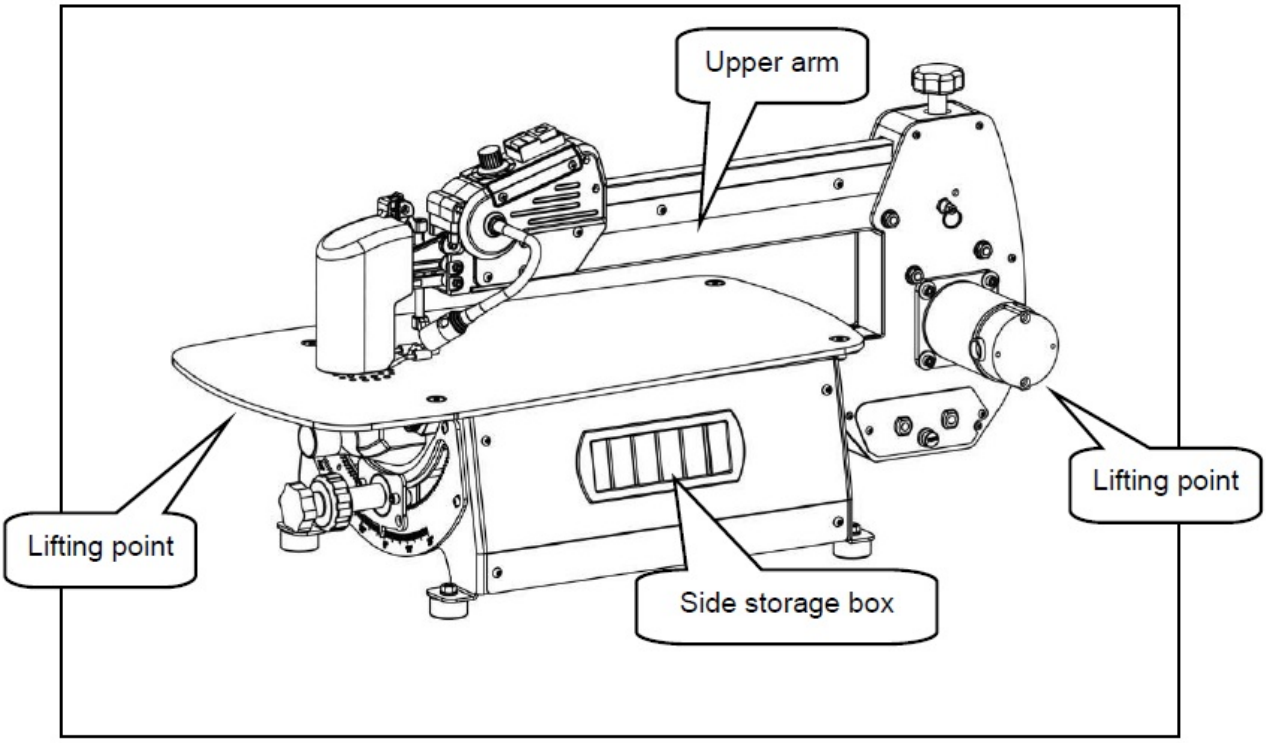


Code	Name	Quantity
A	Scroll Saw	1
B	L Hose	1
C	Saw Blade	1
D	Hex Wrench 4mm	1

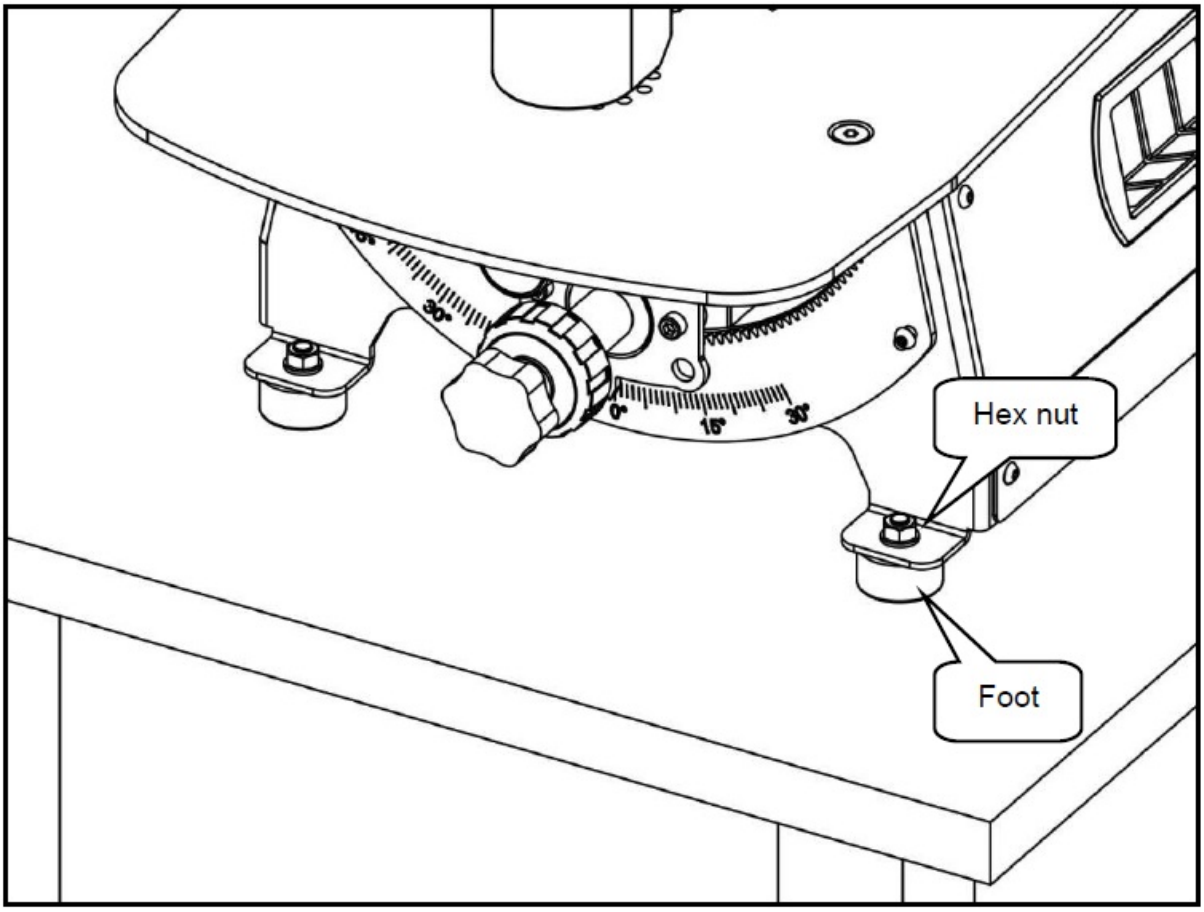
INSTALLATION

Transporting and mounting the saw

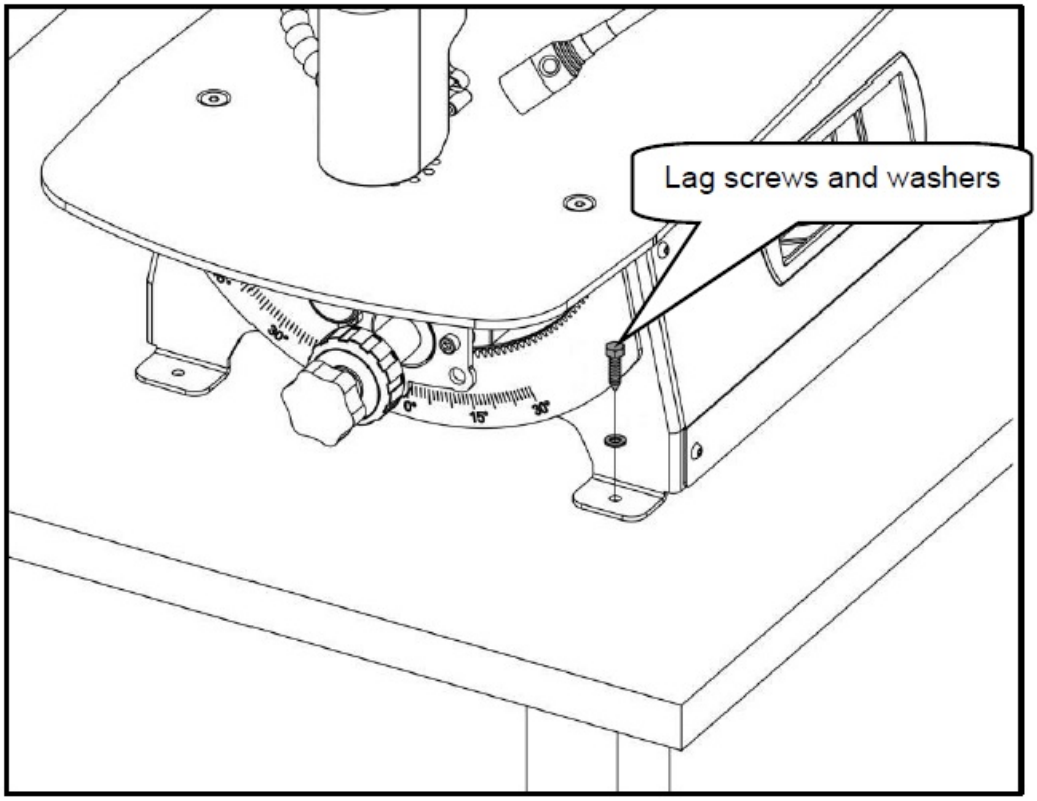
- Do not lift or move the scroll saw using the upper arm, or internal linkage system as it could be damaged. Lift using the side storage box or motor and edge of the table.



- The bottom of the machine is fitted with four rubber feet, which help to reduce vibration.
  If the workbench is not level, loosen the hex nuts and adjust the height of the feet to make the machine more stable on the workbench.



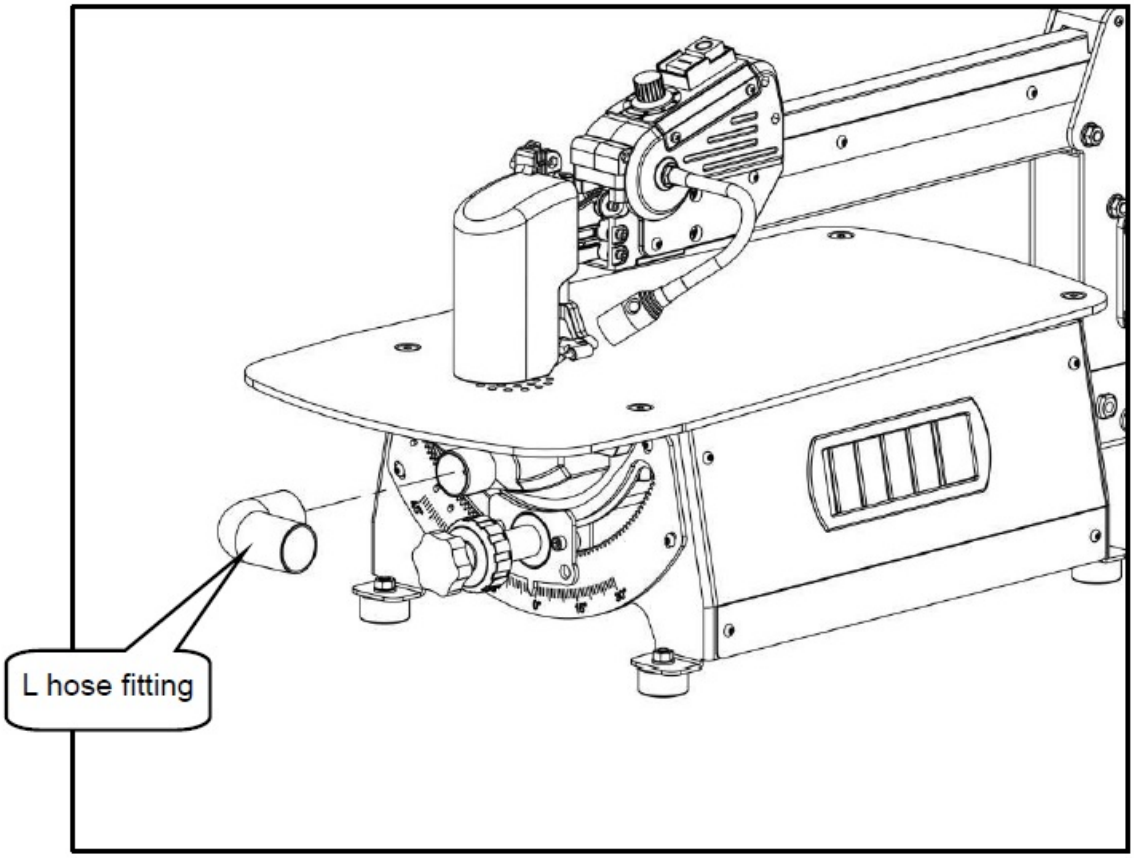
- To improve stability, minimise vibration and prevent the machine from moving while working, we recommend removing the hex nuts and feet, fasten the scroll saw base to a workbench by using lag screws and washers.



Connecting the dust collection system

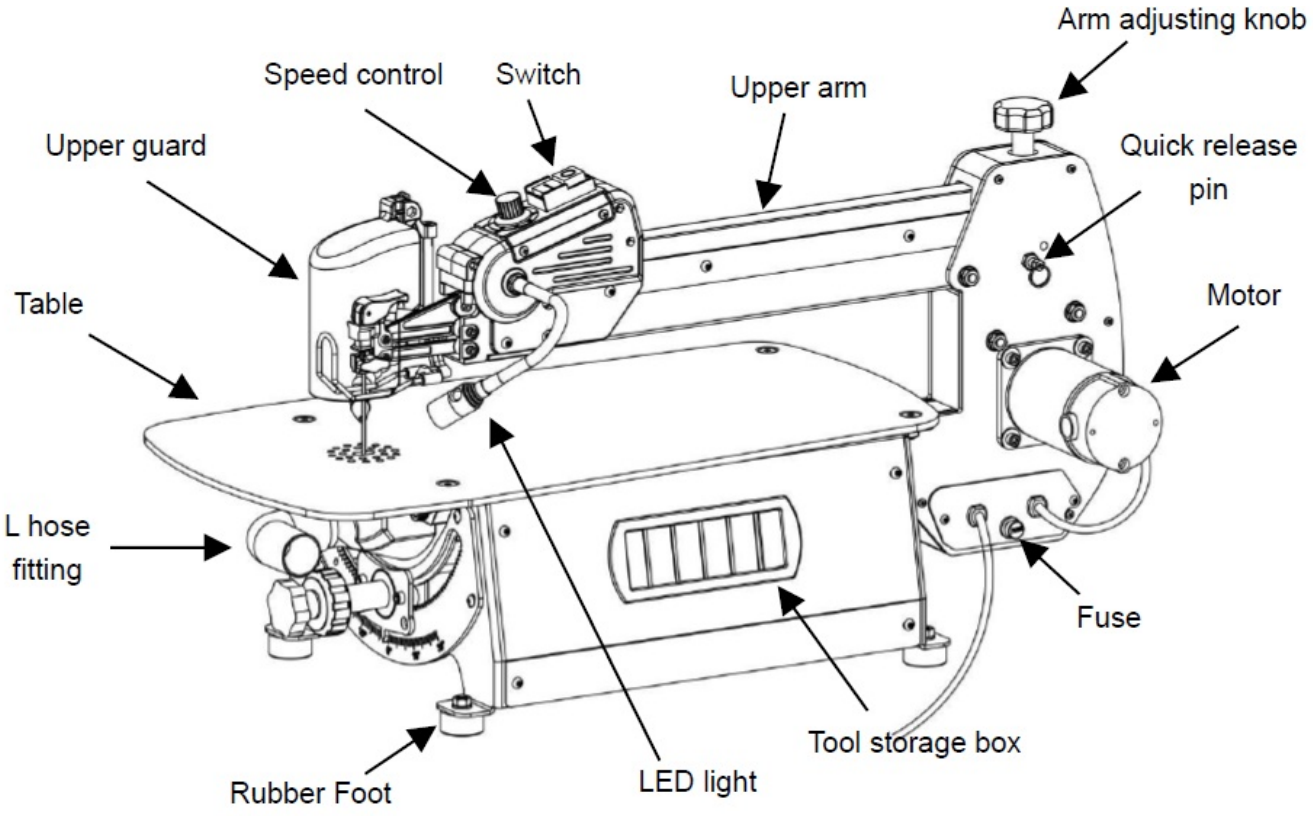
Warning: DO NOT operate the scroll saw without an adequate dust collection system.

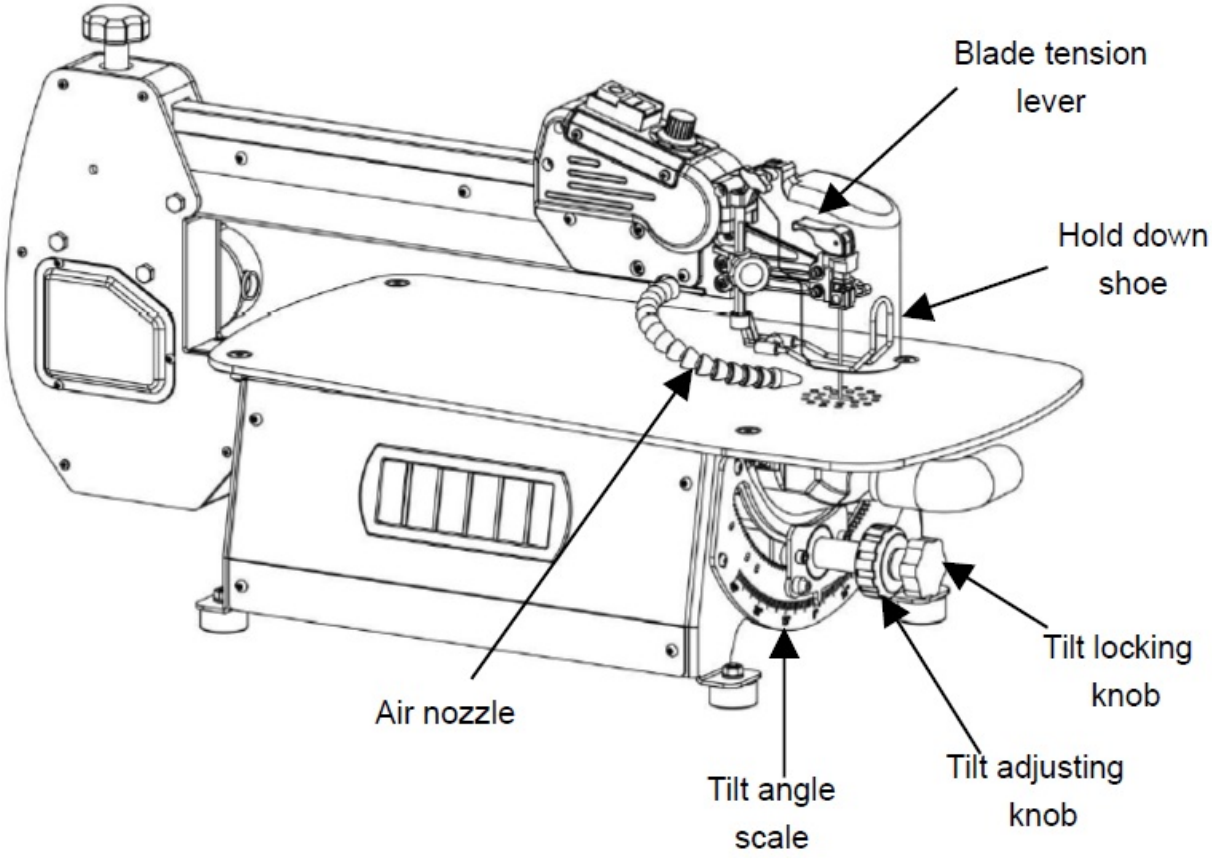
- Attach the L hose fitting to the dust port on the lower guard, The L hose fitting should be connected with dust collection system when operating the scroll saw.
- The recommended air suction capacity of dust collection system is 300m³/h at least.



IDENTIFICATION

Become familiar with the names and locations of the control features shown below to better your understanding of this tool.

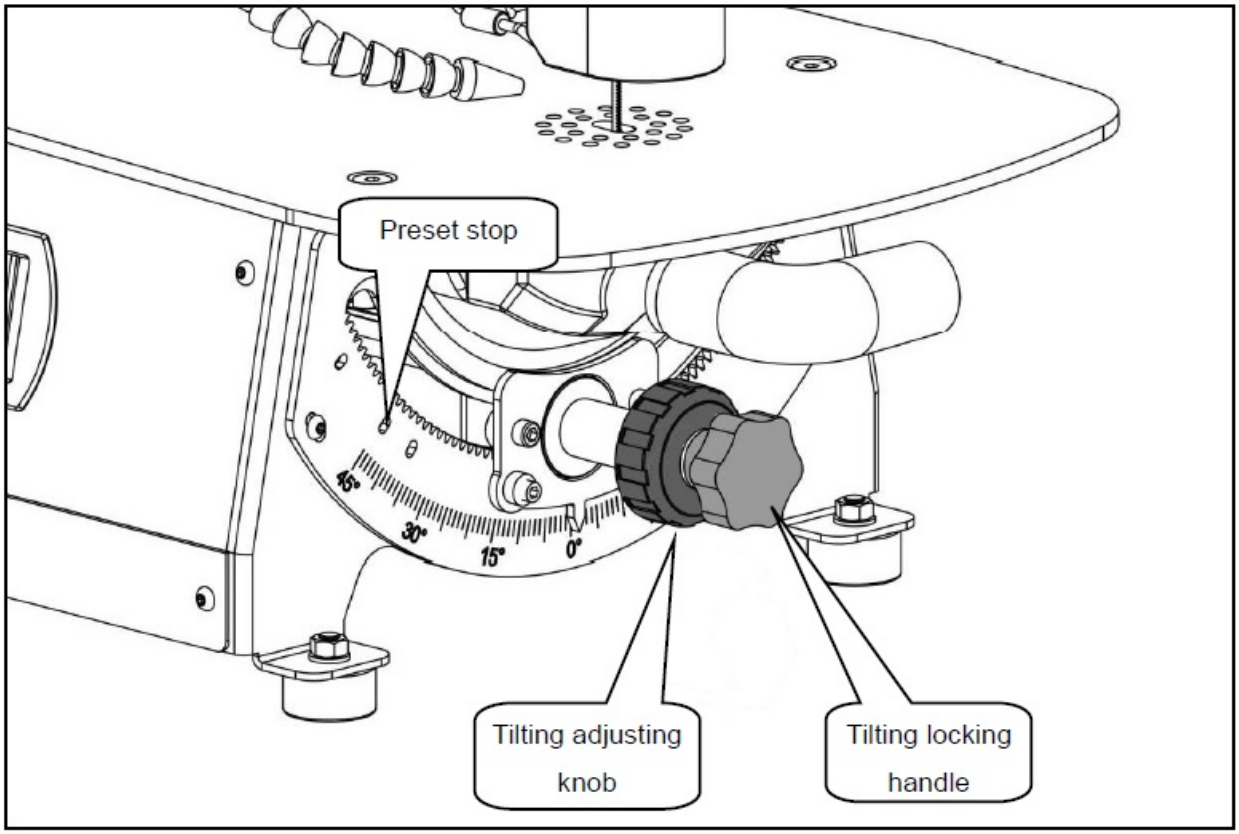




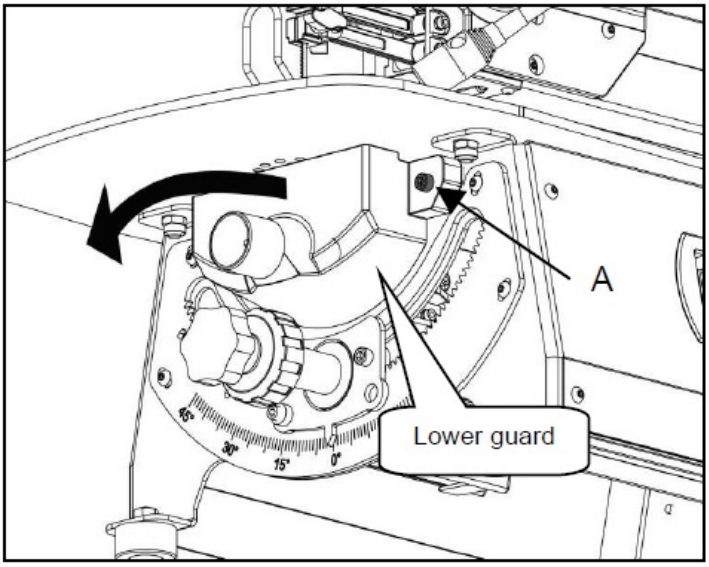
ADJUSTING

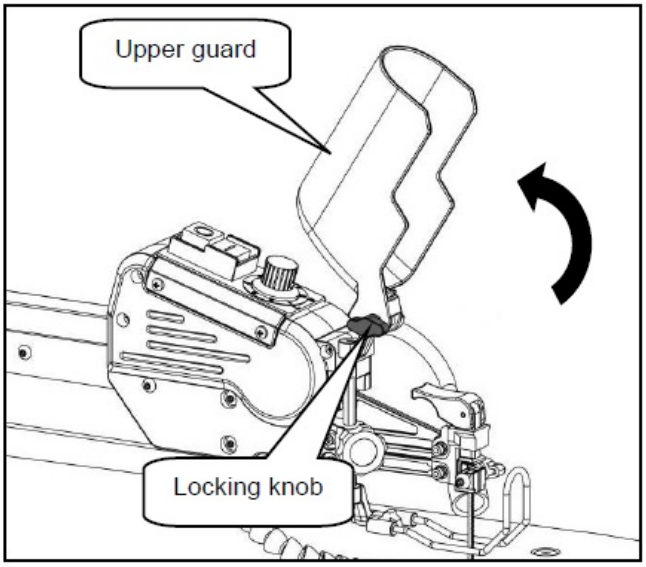
WARNING: Always be sure that the machine is switched off and unplugged before any adjustments.

1. Tilting arm
    - The arm can be tilted up to 30°left or 45°right for bevel cut, so the so the workpiece is always in a horizontal position, with no risk of sliding off the table. The tilt controls are located at the front of the saw.
      To tilt arm:
    - Make sure the upper guard, air nozzle and LED light will not conflict the table.
    - Loosen and hold the tilting locking knob, rotate the adjusting knob to desired angle.
    - Tighten the tilting locking knob again.
    - For quick setup to commonly used angles, there are preset stops at 0°, 22.5°, 30°left and 22.5°, 30°, 45° right.



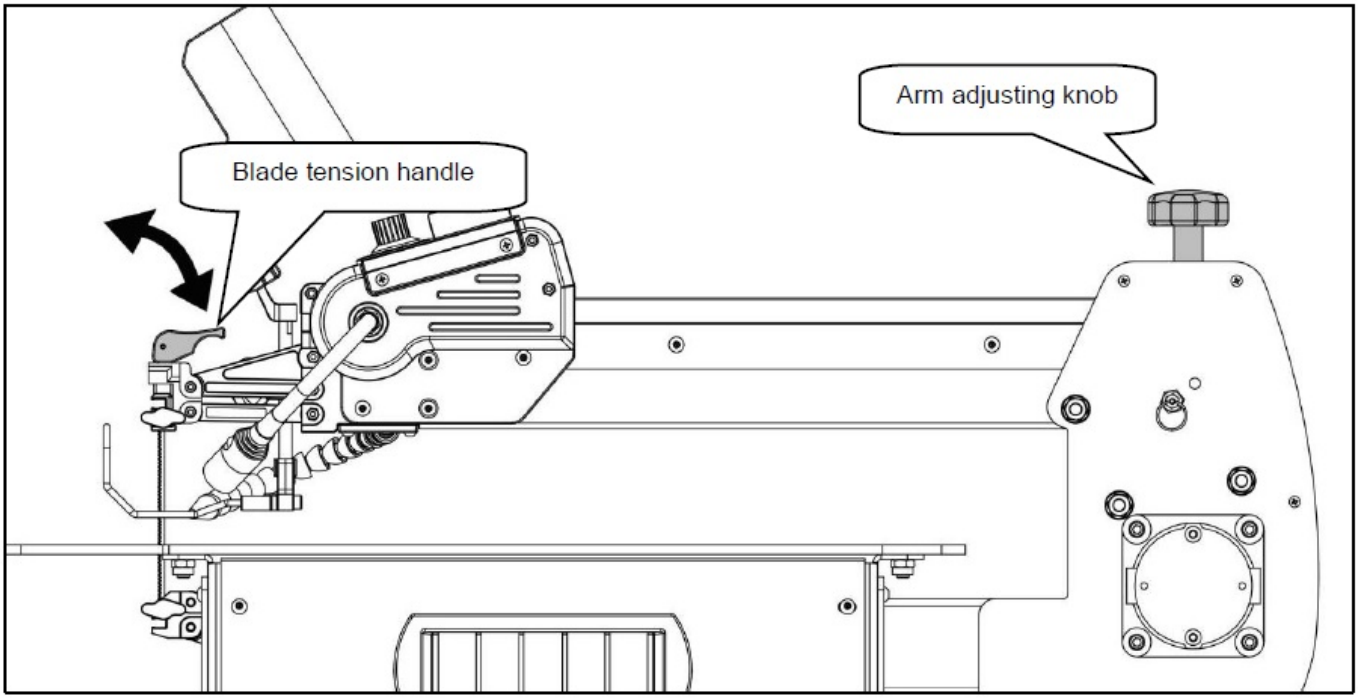
2. Replacing the blade
    - Remove the L hose fitting from the lower guard, Loosen the screw A and swing open the lower guard.
    - Loosen the locking knob and rotate the upper guard upwards.





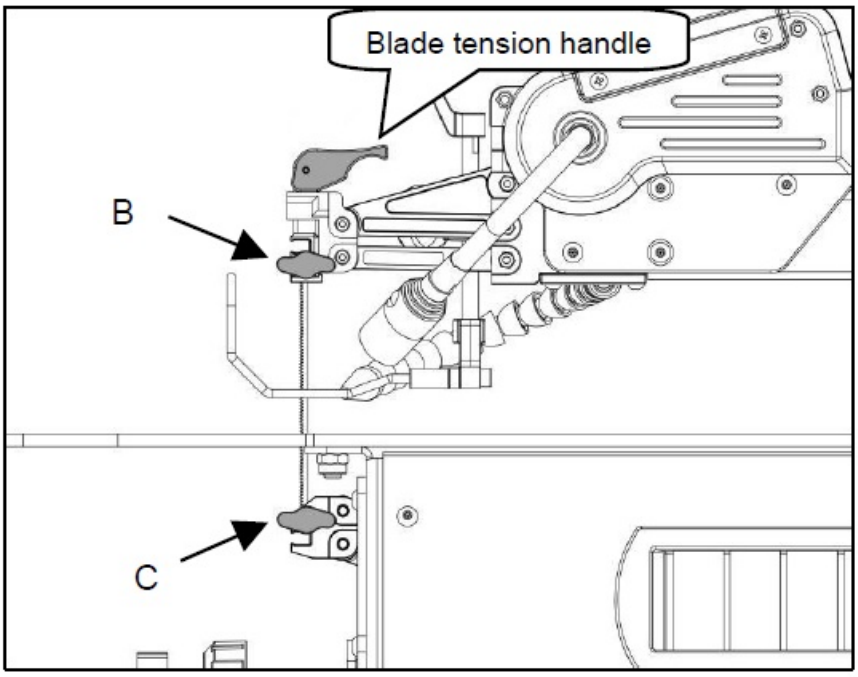
For pin-end blades

- Rotate the blade tension handle upward to release tension.
  If needed, rotate the arm adjusting knob to lower the upper arm.
- Remove the old blade from the upper and lower blade mounting brackets.
- Place a new blade through the table slot onto the blade mounting brackets, with the blade's teeth facing toward you and pointing down.
- Rotate the blade tension handle downward and rotate the arm adjusting knob to tension the blade properly.



For plain-end blades

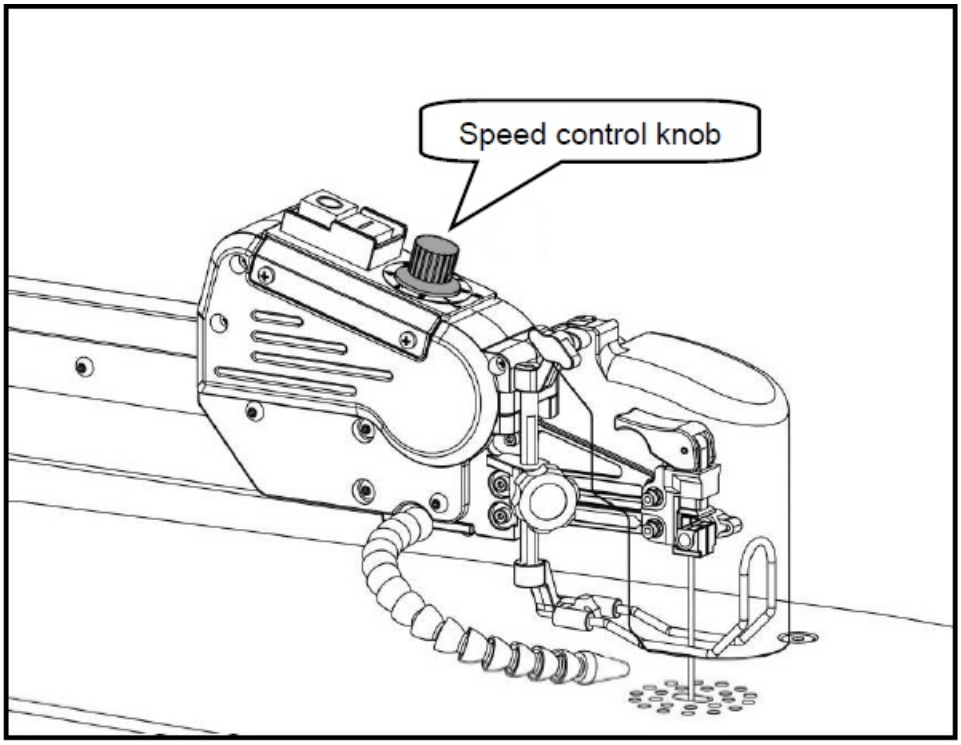
- Rotate the blade tension handle upward to release tension.
- Loosen the blade locking knob B and C.
- Remove the old blade from the upper and lower blade mounting brackets.
- Place a new blade through the table slot onto the blade mounting brackets, with the blade's teeth facing toward you and pointing down.
- Tighten the blade locking knob B and C.
- Rotate the blade tension handle downward and rotate the arm adjusting knob to tension the blade properly.



Replace the upper guard, the lower guard and hose fitting after replacing a blade.

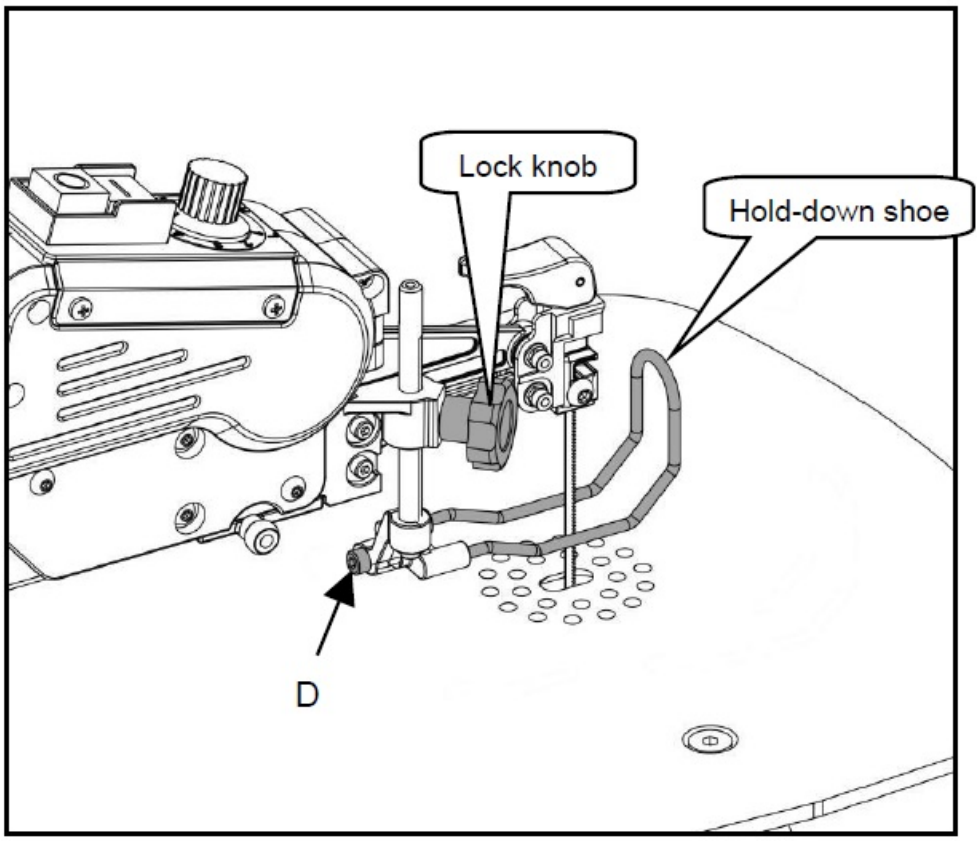
Adjusting blade speed

Rotate speed control knob while saw is running clockwise to increase blade strokes per minute, counterclockwise to decrease.
To reduce the risk of injury from unexpectedly fast speed at startup, always rotate the speed control knob all the way counterclockwise before starting and after stopping the scroll saw.



Adjusting the hold-down shoe

- The hold-down shoe keeps the workpiece from raising up from the force of the moving blade.
- Loosen the hold-down shoe lock knob. Adjust shoe lightly touching workpiece. Tighten hold-down shoe lock knob, then verify workpiece moves smoothly under shoe.
- If necessary, loosen screw D, adjust the hold-down shoe so that it is parallel to the table, and re-tighten screw D.



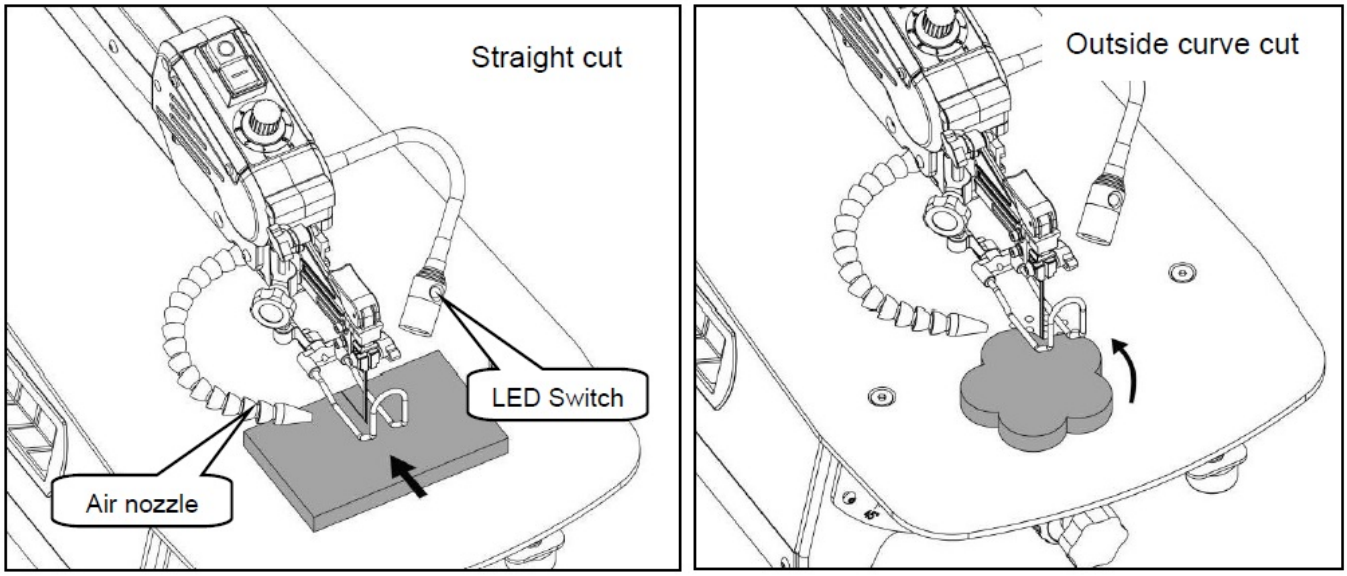
OPERATIONS

Basic Cutting Tips

- Always use a clean, sharp blade.
- Guide the wood into the blade slowly to prevent blade breakage.
- You will achieve best results when cutting wood less than 25mm (1″) thick. When cutting stock thicker than 25mm (1″), guide the stock very slowly into the blade, taking care not to bend or twist the blade.
- Blade should have minimum 3 teeth in contact with workpiece at all times.
- Make relief cuts as needed to prevent binding of blade in workpiece.
- A blade has a tendency to follow the wood grain. Be prepared to compensate for this to achieve accurate cuts.
- Use caution when sawing round pieces, such as dowels, which tend to roll while cutting.
- Keep fingers away from cutting path. Avoid awkward hand positions or getting fingers wedged between saw arm and workpiece when cutting small workpieces.
- For fretwork, drill all needed pilot holes at the same time before moving to the scroll saw. Drill pilot holes as close as possible to reference lines.
- As a general rule, select the narrowest blades recommended for intricate curve cutting, and widest blades for straight cuts or large curve cuts.
- Run saw only at high enough speed to efficiently do the work. Constant running at maximum speed is not necessary for most operations, may reduce control of the cutting process, and may hasten wear on the saw.
- When approaching a tight radius, slow down feed rate, but don’t stop. Give teeth time to make cut. Forcing workpiece through curve will cause blade to twist or break.

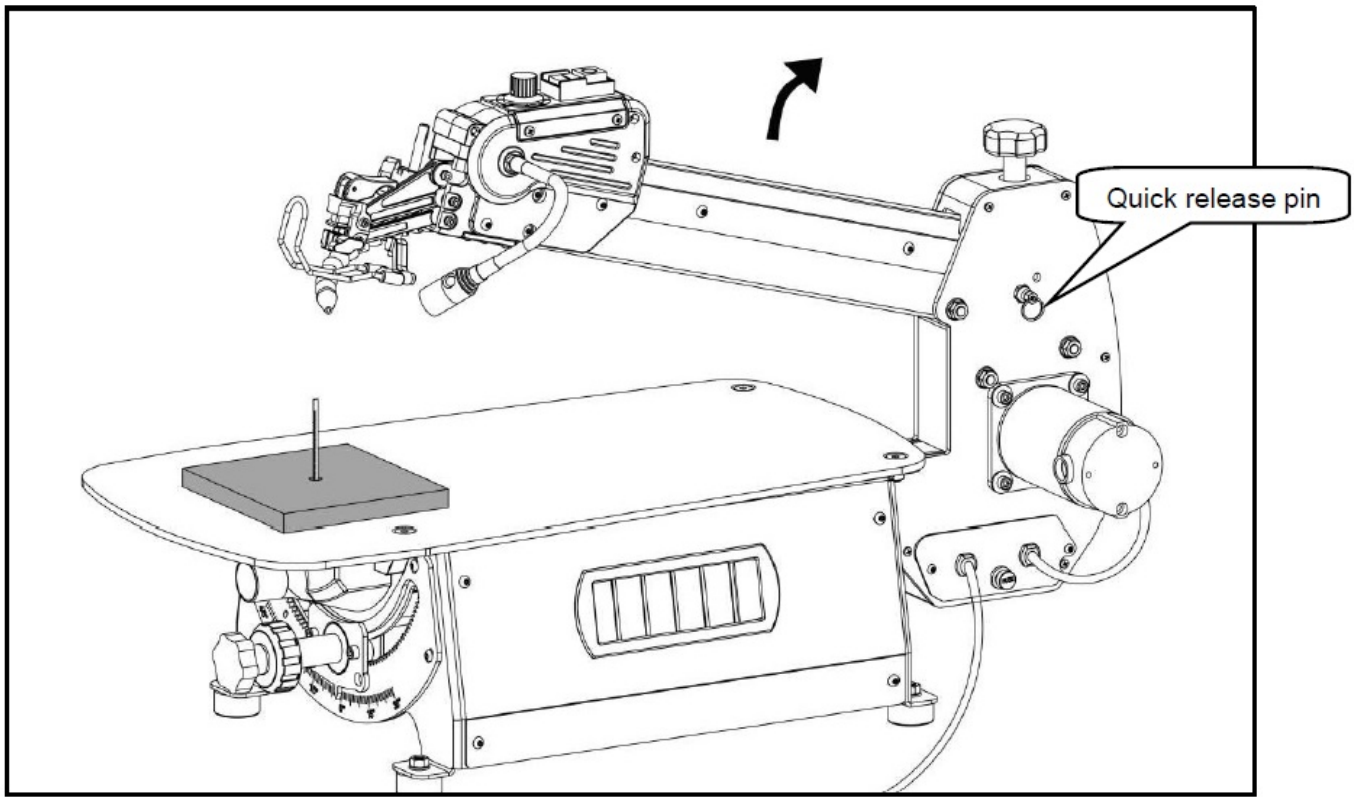
Make straight cuts or outside curve cuts

- Position blower nozzle and hold-down shoe, turn on the LED light if needed.
- Turn on saw and allow blade to reach full operating speed.
- Set speed using variable control knob.
- Hold workpiece firmly against table and feed workpiece directly into the front edge of the blade with steady pressure. Do not use excessive pressure – allow the blade to do the work.
- DO NOT turn the workpiece without pushing it through the blade at same time; otherwise, the blade could twist and break.



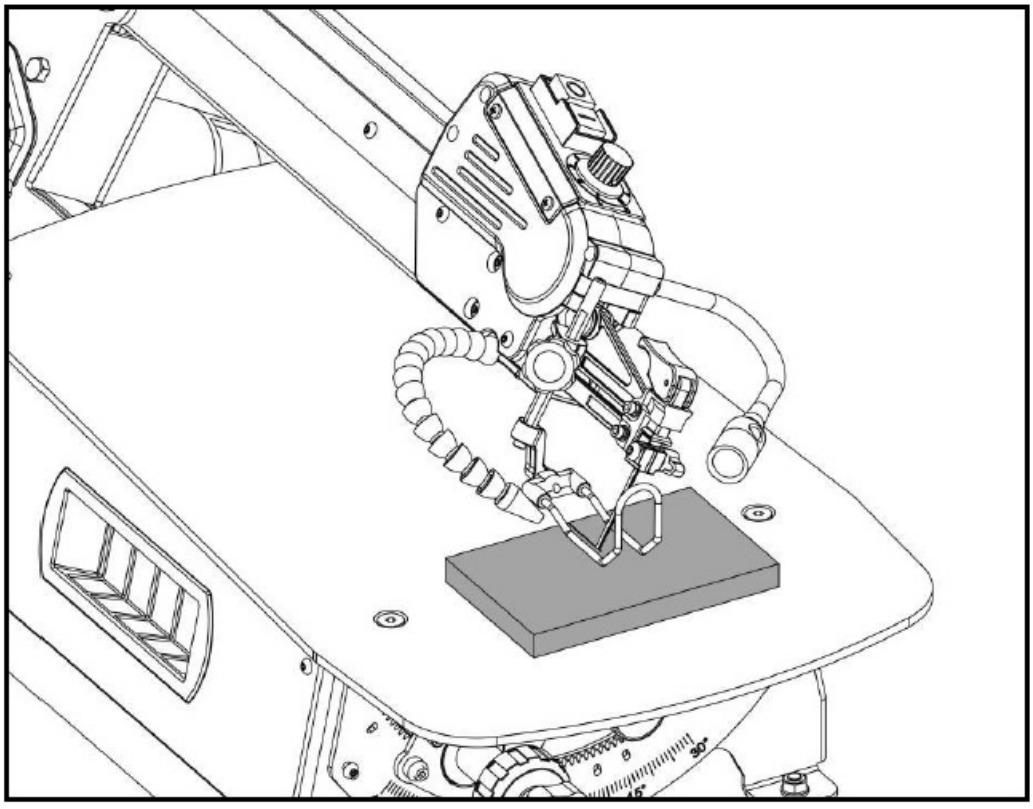
Make inside cuts

- Drill pilot holes in workpiece just large enough for blade insertion.
- Rotate the blade tension handle and loosen the upper blade lock knob to release the blade upper end. Raise upper arm until the quick release pin automatically pops in to hold it in place..
- Place workpiece hole through the blade and over the slot in table.
- Pull out quick release pin and lower upper arm.
- Refasten the upper end of the saw blade and tension the blade.
- Hold workpiece tightly against table and turn on saw. Set speed using variable control knob.
- Smoothly guide workpiece into blade, using light pressure. Avoid coming to a complete stop while cutting.



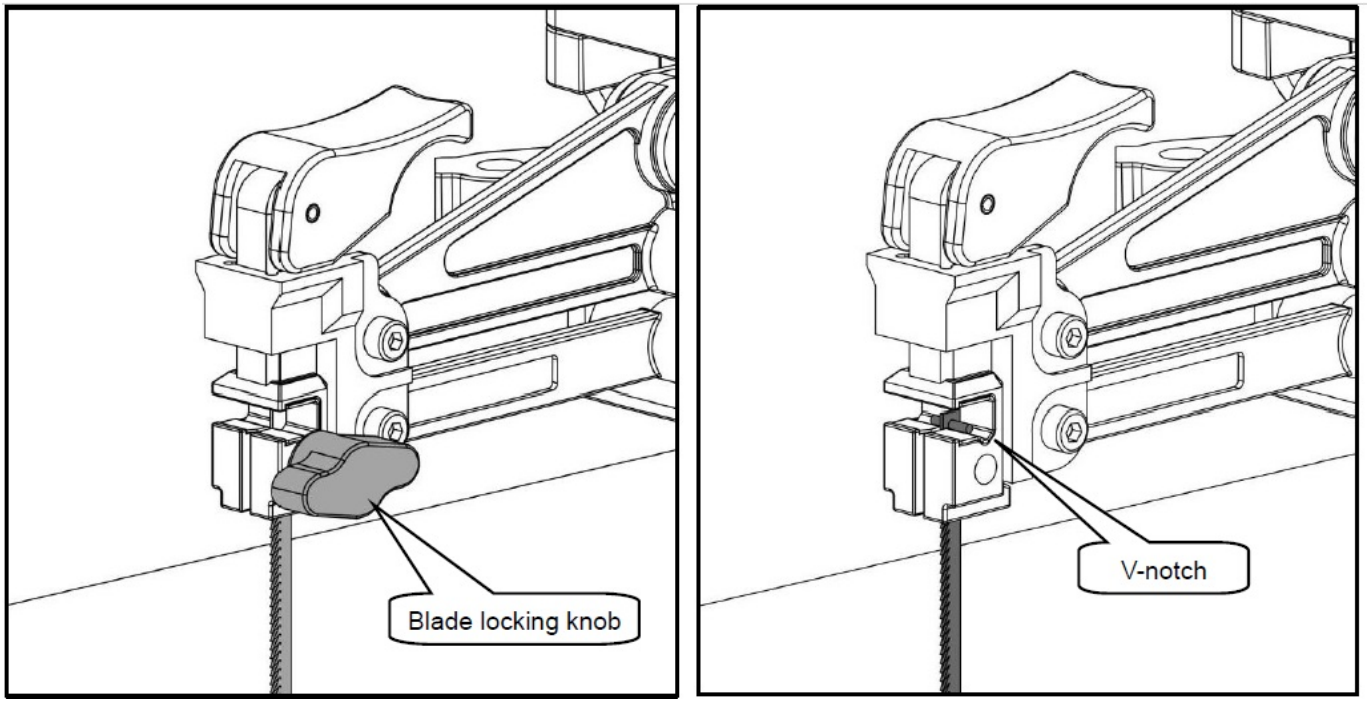
Make bevel cuts

- Adjust the arm to desired angle, position the hold-down shoe and guard.
- Turn on the saw and allow the blade to reach full operating speed.
- Set speed using variable control knob.
- Hold and feed the workpiece slowly and evenly into the blade, remembering not to force the wood through.



Saw blade selection

- Scroll saw blades are classified as either “pin-end” (mounting pins in the ends of the blade) or “plain-end” (no pins), Both of them can be used on this scroll saw.
- The plain end saw blade is mounted with locking handle, and the pin-end saw blade is mounted by positioning the pin in the v-notch.



When choosing a saw blade, it is usually important to consider

- Type of material to be cut (hardwood, softwood?)
- Thickness of the workpiece (thicker workpieces require larger blades)
- Features of workpiece (straight cuts, sweeping curves or tight fretwork?)

Combine these factors to choose the right saw blade with the TPI, width and tooth form.
Always refer to the blade manufacturer’s technical data for a complete explanation when choosing a scroll saw blade.

TROUBLESHOOTING

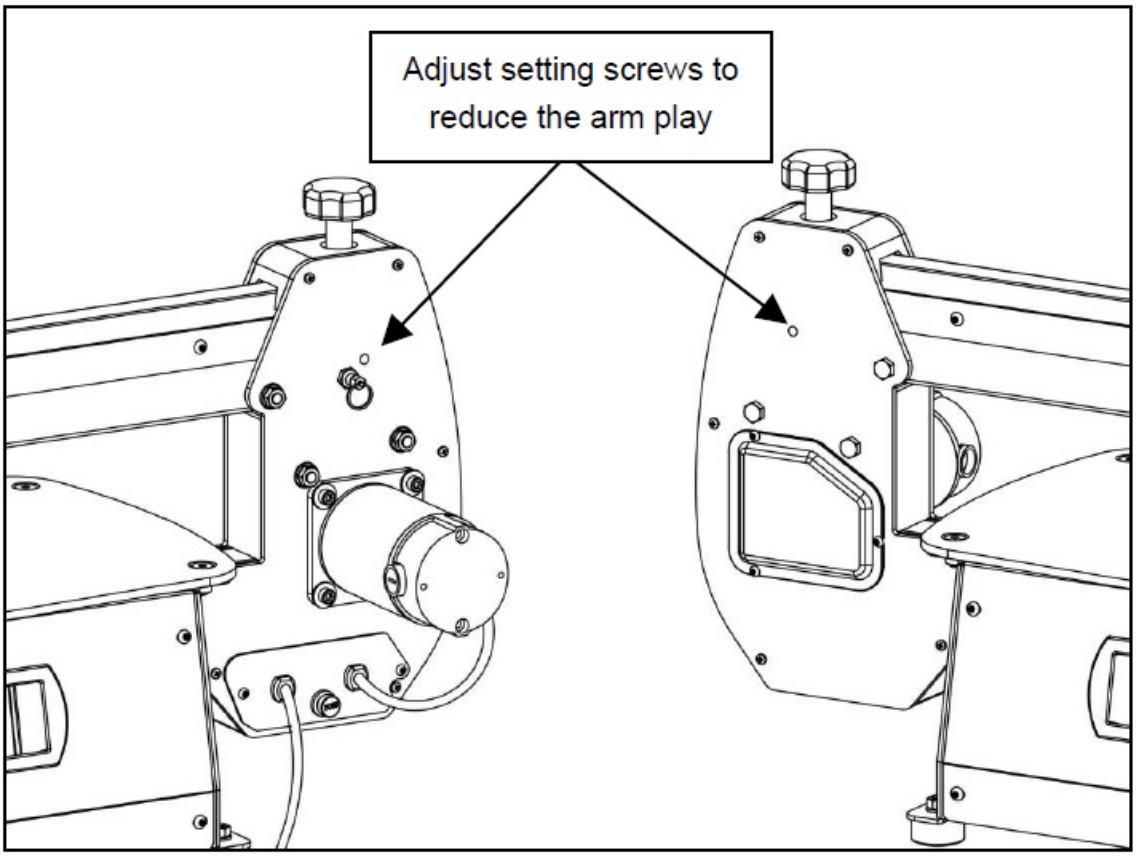
Trouble	Possible Cause	Solution
Motor will not start.	Incorrect power supply voltage	Ensure correct power supply voltage
	Damaged cord or plug.	Inspect and replace.
	Carbon brushes worn.	Replace brushes.
	Blown fuse.	Replace fuse/ensure no shorts
	Switch at fault.	Replace switch.
	Circuit board at fault.	Inspect/replace if at fault.
	Incorrect fuses or circuit breakers	Install correct fuses or circuit breakers.
Blades frequently break.	Incorrect blade tension.	Set proper tension.
	Blade being overworked.	Reduce feed rate.
	Wrong blade for job.	Select proper blade.
	Blade twisting in workpiece.	Avoid side pressure on blade. Reduce feed rate.
	Too few teeth per inch.	Blade should have minimum 3 teeth in contact with workpiece.
Blade drift.	Some drift is unavoidable depending up on size of blade and type of cut.	Compensate by manipulation of workpiece into blade.
	Incorrect blade tension.	Increase tension.
	Too much pressure on blade.	Reduce pressure on workpiece.
Excessive vibration.	Saw improperly mounted.	Secure saw properly to bench or stand.
	Unsuitable mounting surface.	Less vibration will occur with a heavier work bench. Use pads or fiber washers at mountingcontact points.
	Arms/linkage system not tight.	Tighten tilting lock knob.

MAINTENANCE

Warning! Always be sure the machine is switched off and disconnected the plug from the power supply before inspection and maintenance

- **Adjusting upper arm tension**

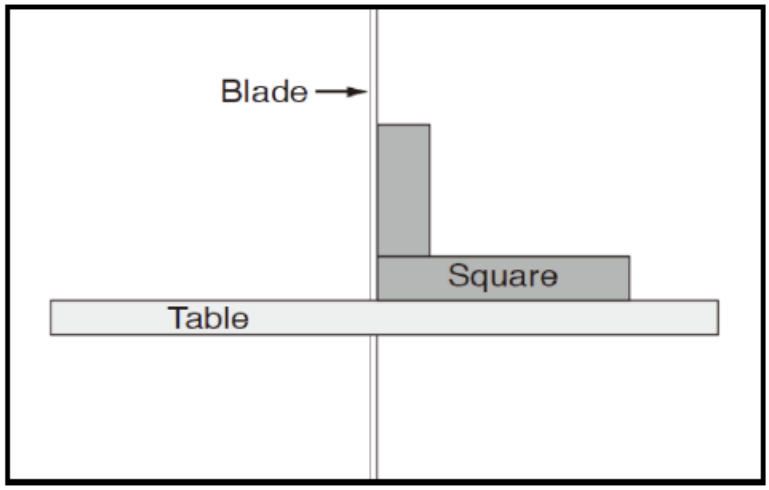
  With regular use the arm may develop play which can have a bad influence. Regularly check the play in the arm and adjust if necessary.



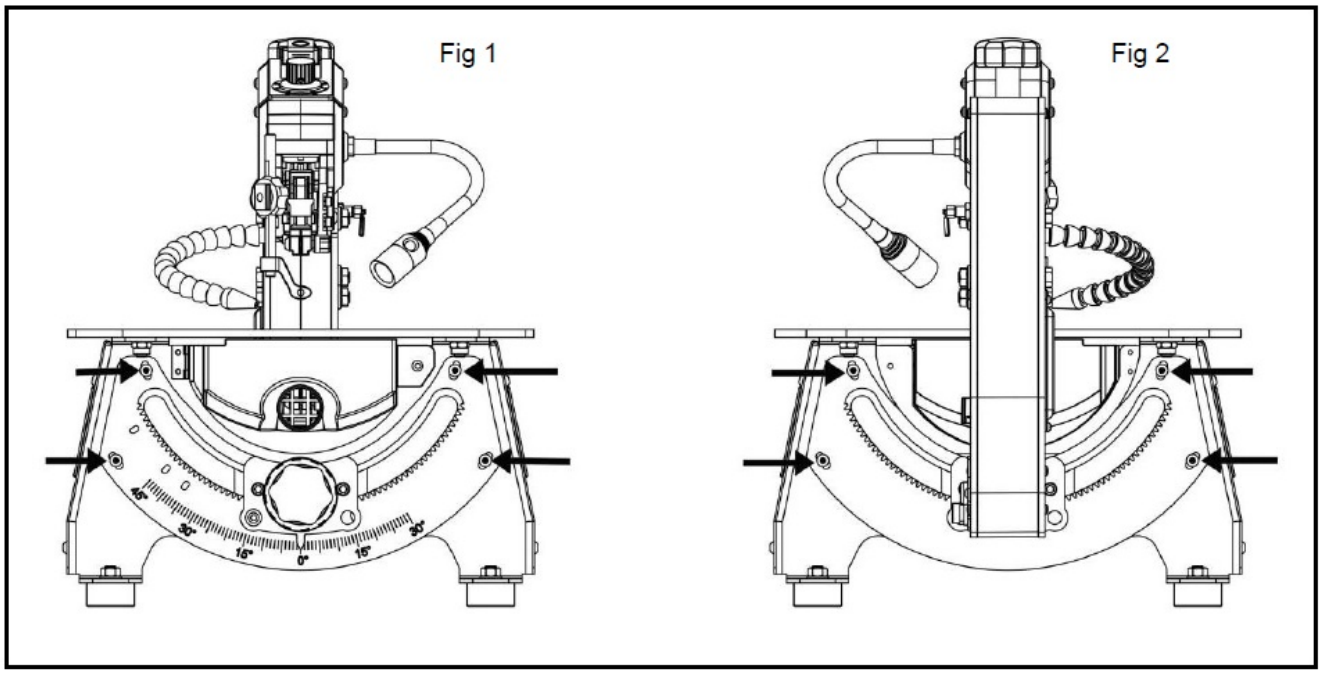
- **Checking and squaring the blade to the table**
  The blade may get out of alignment with the table over time, depending upon how often the saw is used, and frequent use of the tilting mechanism.

To square blade to table:

1. Tilt arm to 0° and tighten the tilting lock lever.
2. Remove hold-down shoe and upper guard.
3. Place a tool square flat on the table against the side of the blade.



4. If the blade is not square, Loosen (8) button head cap screws on the front and rear trunnions. As shown in Fig 1 & 2.



5. Carefully move frame to bring blade square with table.
6. Tighten front and rear button head cap screws
7. Install hold-down shoe and upper guard.

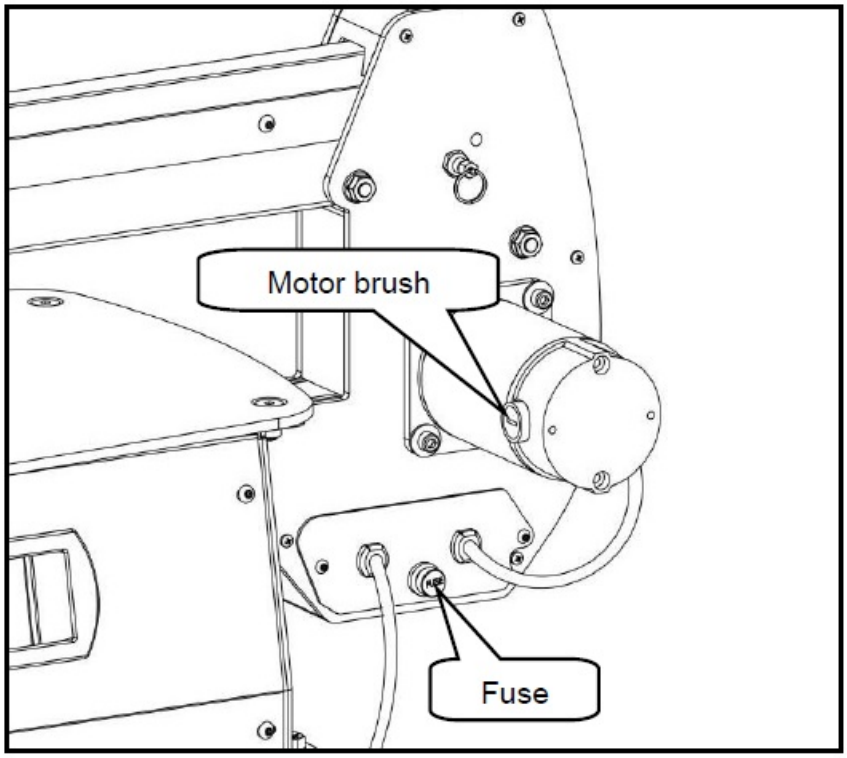
Checking and replacing motor brush

The motor is equipped with two long-life carbon brushes one on each side of the motor. Motor loads and usage affect the brush life. Worn brushes will result in intermittent operation and difficulty starting the motor.

Fuse replacement

The scroll saw is equipped with a 13 amp fuse for overload protection. If the saw stops working, inspect fuse:

1. Unscrew fuse cap and pull fuse out of cap.
2. If fuse has blown, replace it.
3. Install new fuse into cap, then screw cap into hole.



- **FREQUENT INSPECTION**

  The scroll saw should be inspected frequently.

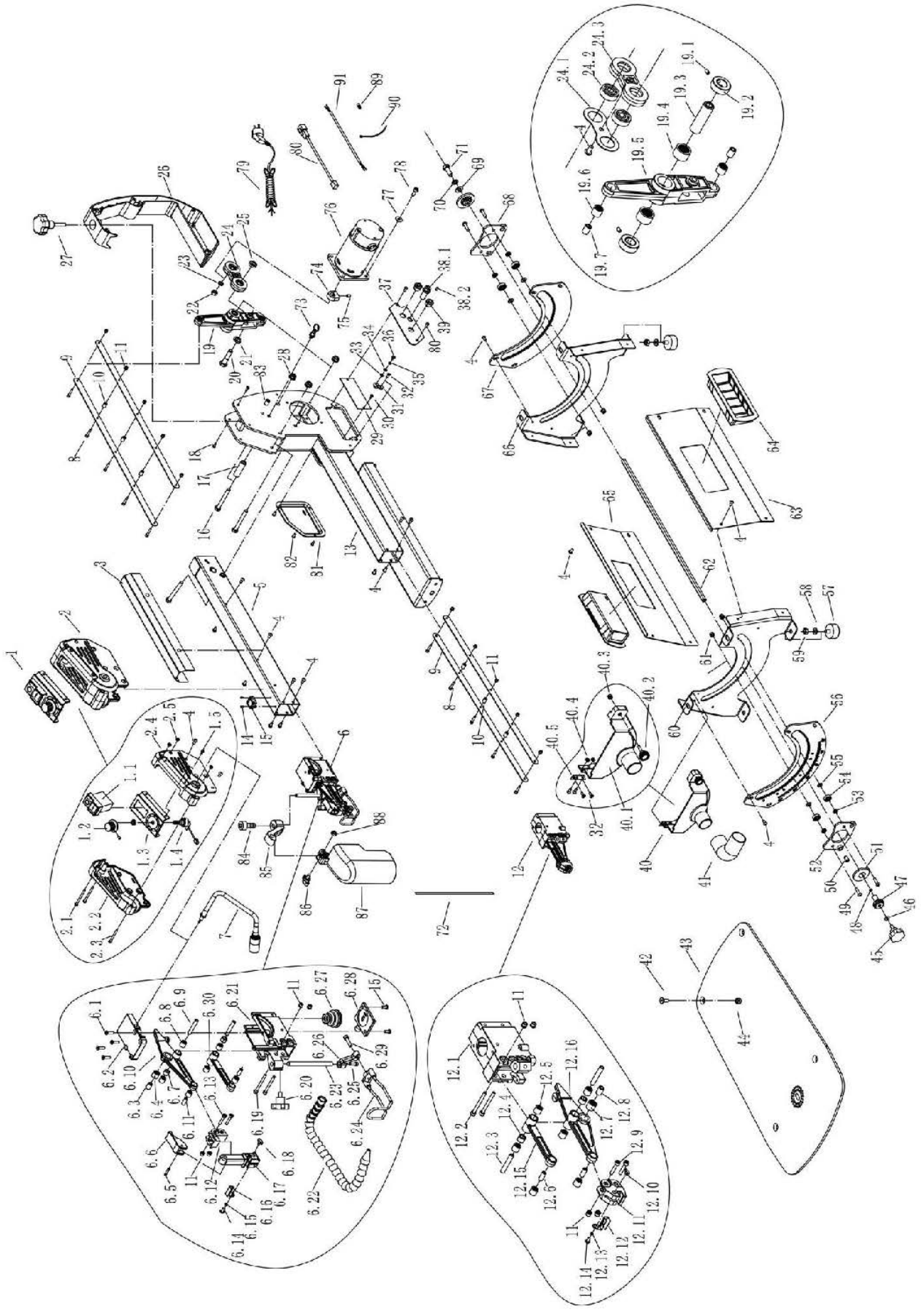
  The cord, in-lead, plug and switch should be inspected to check that it is in good condition, as well as any damage on the drive part.
- **CLEANING**

  Clean wood dust from the saw frequently, by using a vacuum or compressed air, or damp cloth. Use a soft bristle brush for crevices.
- **LUBRICATION**

  Periodically apply light dabs of grease to front and rear trunnions where parts slide against one another.
- **KEEP IN STORAGE**

  The scroll saw should be kept at dry clean and non-corrosive environment.

Assembly Diagram



PART LIST

No.	Description	QTY.

1	Control panel assembly	1
1.1	Switch	1
1.2	Speed control knob	1
1.3	Switch mounting plate	1
1.4	Speed dial	1
1.5	Self tapping screw	4
2	Switch box assembly	1
2.1	Pan head screw M4X25	2
2.2	Left cover	1
2.3	Pan head screw M4X40	1
2.4	Right cover	1
2.5	Hex nut M4	3
3	Top cover plate	1
4	Socket pan head screw M5X8	33
5	Upper arm	1
6	Upper bracket assembly	1
6.1	Flat head screw M4X20	4
6.2	Bracket cover	1
6.3	Bushing	1
6.4	Needle bearing HK0810	1
6.5	Spring pin 3X18mm	1
6.6	Blade tension handle	1
6.7	Bushing	2
6.8	Needle bearing HK00609	6
6.9	Bushing	2
6.10	Rocker arm	1
6.11	Bushing	2
6.12	Clamp bracket	1
6.13	Socket head screw M4X20	2
6.14	Socket pan head screw M6X10	1
6.15	Flat washer 6mm	1
6.16	V-notch plate	1
6.17	Blade mounting block	1

6.18	Wing screw M6X10	1
6.19	Socket head screw M4X40	2
6.20	Lock knob	1

No.	Description	QTY.
6.21	Upper bracket	1
6.22	Air nozzle	1
6.23	Hold-down rod	1
6.24	Hold-down shoe	1
6.25	Socket head screw M4X12	1
6.26	Connecting base	1
6.27	Bellows	1
6.28	Nozzle base	1
6.29	Socket head screw M5X20	1
6.30	Strut	1
7	LED light	1
8	Socket head screw M4X20	10
9	Link plate	4
10	Plastic bushing	6
11	Lock nut M4	18
12	Lower bracket assembly	1
12.1	Lower bracket	1
12.2	Socket head screw M4X40	2
12.3	Bushing	2
12.4	Bushing	2
12.5	Needle bearing HK0609	6
12.6	Bushing	2
12.7	Needle bearing HK0810	1
12.8	Bushing	1
12.9	Socket head screw M4X20	2
12.10	Wing screw M6X10	1
12.11	Lower blade mounting bracket	1
12.12	Lower V-notch plate	1

12.13	Socket pan head screw M6X10	1
12.14	Flat washer 6mm	1
12.15	Strut	1
12.16	Rocker arm	1
13	Frame	1
14	Socket pan head screw M4X8	7
15	Led driver	1

No.	**Description**	**QTY.**
16	Hex head bolt M8X65	3
17	Spacer pipe	1
18	Self tapping screw	10
19	Rocker cam assembly	1
19.1	Set screw M6X8	2
19.2	Limit collar	2
19.3	Shaft	1
19.4	Needle bearing HK1412	2
19.5	Rocker cam	1
19.6	Needle bearing HK0810	2
19.7	Bushing	2
20	Screw	1
21	Lock washer 10mm	1
22	Left thread hex nut M8	1
23	Lock washer 8mm	1
24	Motor cam assembly	1
24.1	Cover plate	1
24.2	Ball bearing 628-2RS	2
24.3	Motor cam	1
25	Spacer	1
26	Real cover	1
27	Arm adjusting knob	1
28	Flange nut M8	3
29	Motor driver	1

30	Self tapping screw	2
31	Grounding plate	1
32	Flat head screw M4X10	5
33	Serrated washer 4mm	1
34	Flat washer 4mm	1
35	Lock washer 4mm	1
36	Pan head screw M4X6	1
37	Cover	1
38.1	Fuse holder	1
38.2	Fuse	1
39	Strain relief	2
40	Lower guard assembly	1
40.1	Lower guard	1
40.2	Socket head screw M5X20	1

No.	**Description**	**QTY.**
40.3	Lock nut M5	1
40.4	Hex nut M4	2
40.5	Hinge	1
41	L hose fitting	1
42	Flat head screw M8X20	4
43	Table	1
44	Lock nut M8	4
45	Tilting lock knob	1
46	Flat washer 8mm	1
47	Tilting adjust knob	1
48	Rubber ring	1
49	Socket head screw M6X25	4
50	Set screw	1
51	Gear	2
52	Front bearing support plate	1
53	Flat washer 6mm	4
54	Ball bearing 606-2RS	4

55	Washer	4
56	Front trunnion plate	1
57	Rubber foot	4
58	Flat washer 8mm	4
59	Hex nut M8	4
60	Front support plate	1
61	Lock nut M6	4
62	Tilt rod	1
63	Right side cover	1
64	Tool storage box	2
65	Left side cover	1
66	Rear support plate	1
67	Rear trunnion plate	1
68	Rear bearing support plate	1
69	Flat washer 8mm	1
70	Lock washer 8mm	1
71	Hex head bolt M8X20	1
72	Blade	1
73	Quick release pin	1
74	Balance block	1
75	Set screw M6X10	1

No.	**Description**	**QTY.**
76	Motor	1
77	Flat washer 6mm	4
78	Socket head screw M6X16	4
79	Power cord	1
80	Inner cable	1
81	Plastic cover	1
82	Socket pan head screw M4X10	2
83	Nylon set screw	2

No.	Description	QTY.
84	Socket head screw M4X12	1
85	Upper guard support	1
86	Wing screw M5x20	1
87	Upper guard	1
88	Hex nut M5	1
89	Cable tie	2
90	Terminal	2
91	Inner cable	1

DECLARATION OF CONFORMITY

We the Importer:

TOOLSA VE LTD

- Unit C, Manders Ind. Est.,
- Old Heat h Road, Wolverhampton,
- WV1 2RP.

Declare that the product:

Designation: Professional Variable Speed Scroll Saw

Model: SS457V / SS558V

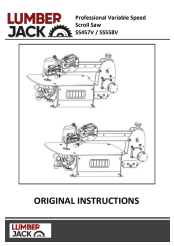
Standards & technical specifications referred to:

- EN 62841-1:2015/A11:2022
- EN ISO 12100:2010

Authorised Technical File Holder:

- Bill Evans
- 01/08/2024
- The Director

Documents / Resources

	**LUMBERJACK SS457V Professional Variable Speed Scroll Saw** [pdf] Instruction Manual SS457V, SS558V, SS457V Professional Variable Speed Scroll Saw, SS457V, Professional Variable Speed Scroll Saw, Variable Speed Scroll Saw, Speed Scroll Saw, Scroll Saw

References

- **User Manual**