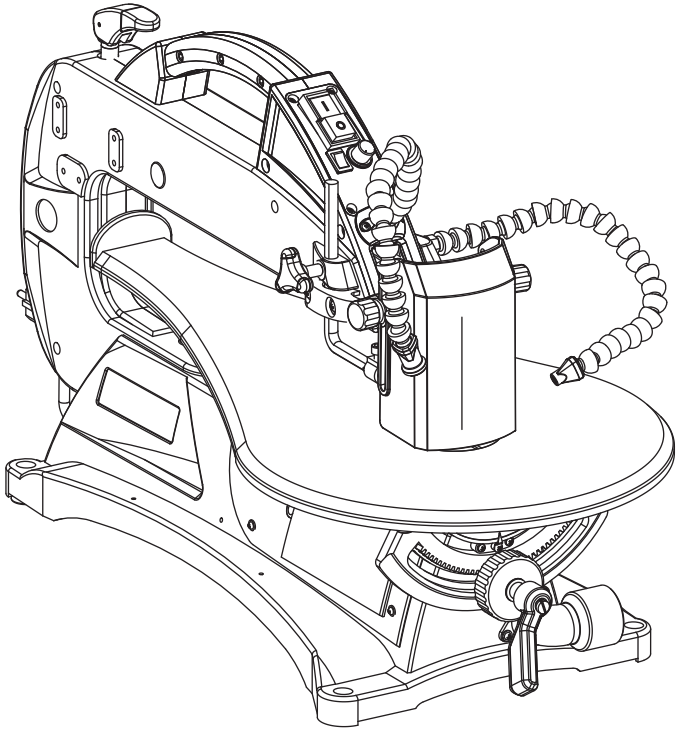
Erbauer®



2 WARRANTY YEARS

ERB704SSW

Original Instructions

SAFETY AND OPERATING MANUAL

Congratulations on your purchase of a quality power tool from Erbauer (UK) Ltd. This product should give you reliable service but for your peace of mind this Erbauer power tool does carries a 24-month guarantee, the terms of which are detailed below.

If this product develops a fault within the guarantee period contact your retailer.

Please retain this handbook in case you need to refer to safety, care or guarantee information in the future.

GUARANTEE

This Erbauer product carries a guarantee of 24 months. If your product develops a fault within this period, you should in the first instance contact the retailer where the item was purchased.

This guarantee specifically excludes losses caused due to:
- Fair wear and tear
- Misuse or abuse
- Lack of routine maintenance
- Failure of consumable items (such as batteries)
- Accidental damage
- Cosmetic damage
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee does not affect your statutory rights. This guarantee is only valid in the UK.

For further technical advice, spare parts or repair service (outside of guarantee) please contact your retailer quoting your Erbauer model number

GENERAL SAFETY INSTRUCTIONS

WARNING! To ensure safe operation when using your Belt & Disc Sander, make sure you follow basic safety principles to reduce risk of personal injury, electric shock and fire. Please read the following instructions prior to operating this product and keep for future use.

SAVE THESE INSTRUCTIONS

1. Keep the work area clean.

- Cluttered and dark areas invite accidents.

2. Consider work area environment.

- Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep the work area well lit. Do not use tools in the presence of flammable liquids or gases.

3. Guard against electric shock.

- Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).

4. Keep children away.

- Do not let persons, especially children, not involved in the work touch the tool or the extension cord and keep them away from the work area.

5. Store idle tools.

- When not in use, tools should be stored in a dry, high or locked up place, out of reach of children.

6. Do not force the tool.

- It will do the job better and safer at the rate for which it was intended.

7. Use the right tool.

- Do not force small tools to do the job of a heavy-duty tool. Do not use tools for purposes not intended, for example, do not use circular saws to cut tree limbs or logs.

8. Dress properly.

- Do not wear loose clothing or jewellery, they can be caught in moving parts. Non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

9. Use protective equipment.

- Use safety glasses. Use face or dust mask if working operations create dust.

10. Connect dust extraction equipment.

- If the tool is provided for the connection of dust extraction and collecting equipment, ensure these are connected and properly used.

11. Do not abuse the cord.

- Never yank the tool to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.

12. Secure work.

- Where possible use clamps or a vice to hold the work. It is safer than using your hand.

13. Do not overreach.

- Keep proper footing and balance at all times.

14. Maintain tool with care.

- Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cord periodically and if damaged have them replaced by an authorised service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free of oil or grease.

15. Disconnect tools.

- When not in use, before servicing and when changing accessories such as blades, bits and cutters, disconnect tools from the power supply.

16. Remove adjusting keys and wrenches.

- From the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

17. Avoid unintentional starting.

- Ensure switch is in the “off” when plugging in.

18. Use outdoor extension leads.

- When tool is used outdoors, use only extension cords intended for outdoor use and so marked.

19. Stay alert.

- Watch what you are doing. Use common sense. Do not operate tool when you are tired.

20. Check damaged parts.

- Before further use of the tool, it 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 by an authorised service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorised service facility. Do not use the tool if the switch dose not turn it on and off.

21. Warning.

- The using of any accessory or attachment other than those recommended in this instruction manual may present a risk of personal injury.

22. Have your tools repaired by qualified person.

- This electrical tool complies with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

HEALTH ADVICE

WARNING! When drilling, sanding, sawing or grinding, dust particles will be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful to you (e.g. lead from old gloss paint).
You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure. You should:
- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

ADDITIONAL SAFETY INSTRUCTIONS FOR YOUR TOOLS

WARNING! Do not operate the scroll saw until it is assembled, and you have read and understood the following instructions and the warning labels on the scroll saw.

Before operating

- Check for proper assembly and proper alignment of moving parts. Understand the function and proper use of the ON/OFF switch.
- Understand the function and proper use of the ON/OFF switch.
- Know the condition of the scroll saw. If any part is missing, bent, or does not operate properly, replace the component before you use the scroll saw.
- Determine the type of work you are going to be doing. Properly protect your body including your eyes, hands, face, and ears.
- To avoid injury caused by pieces thrown from accessories, use only recommended accessories designed for this saw. Follow the instructions supplied with the accessory. The use of improper accessories may cause risk of injury.
- To avoid contact with rotating equipment:
  - Do not position your fingers where they could contact the blade if the workpiece should unexpectedly shift or your hand should slip.
  - Do not cut a workpiece too small to be held safely.
  - Do not reach under the scroll saw table when the motor is running.
  - Do not wear loose clothing or jewelry. Roll long sleeves above the elbow. Tie back long hair.
- To avoid injury from accidental starting of the scroll saw:
  - Make sure the switch is OFF and unplug the power cord from the electric outlet before changing the blade, performing maintenance or making adjustments.
  - Make sure the switch is OFF before plugging in the power cord to an electric outlet.
- To avoid injury from a fire hazard, do not operate the scroll saw near flammable liquids, vapors or gases.
- To avoid back injury:
  - Obtain help when it is necessary to raise the scroll saw more than 10 inches. Bend your knees when lifting the scroll saw.
- Carry the scroll saw by its base. Do not move the scroll saw by pulling on the power cord. Pulling on the power cord could cause damage to the insulation or the wire

connections resulting in electric shock or fire.

When operating the scroll saw

WARNING! Use the rotary tool for sanding and grinding applications only. This product is not recommended for drilling applications.

- To avoid injury from unexpected scroll saw movement:
  - Use the scroll saw on a firm level surface with adequate space for handling and supporting the workpiece.
  - Be sure the scroll saw cannot move when operated. Secure the scroll saw to a workbench or table with wood screws or bolts with washers and nuts.
- Before moving the scroll saw, unplug the power cord from the electrical outlet.
- To avoid injury from kickback:
  - Hold the workpiece firmly against the tabletop.
  - Do not feed the workpiece too fast while cutting. Only feed the workpiece at the rate the saw will cut.
  - Install the blade with the teeth pointing downward.
  - Do not start the saw with the workpiece pressing against the blade. Slowly feed the workpiece into the moving blade.
  - Use caution when cutting round or irregularly shaped work pieces. Round items will roll and irregularly shaped work pieces can pinch the blade.
- To avoid injury when operating the scroll saw:
  - If you are not thoroughly familiar with the operation of scroll saws, obtain advice from a qualified person.
  - Before starting the saw, make sure the blade tension is correct. Recheck and adjust tension as needed.
  - Make sure the table is locked into position before starting the saw.
  - Do not use dull or bent blades.
  - When cutting a large workpiece, make sure the material is supported at the table height.
  - Turn the saw OFF and unplug the power cord if the blade jams in the workpiece while being backed out. This condition is usually caused by sawdust clogging the line you are cutting. If this happens, turn OFF the scroll saw and unplug the power cord. Wedge open the workpiece and back out the blade.
  - Do not use if blade guard is damaged or missing.
  - Do not clear away cut-off pieces until blade has stopped and the saw is turned off.

SYMBOLS

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations.
Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

V~	Volt	Hz	Hertz
W	Input power	kg	Kilogram
m/min	Metres per minute	dB (A)	Decibel (A-rated)
min^{-1}	Per minute		
yyWxx	Manufacturing date code; year of manufacturing (20yy) and week of manufacturing (Wxx);		


Caution / Warning.


Wear hearing protection.


Read the instruction manual.


Wear eye protection.

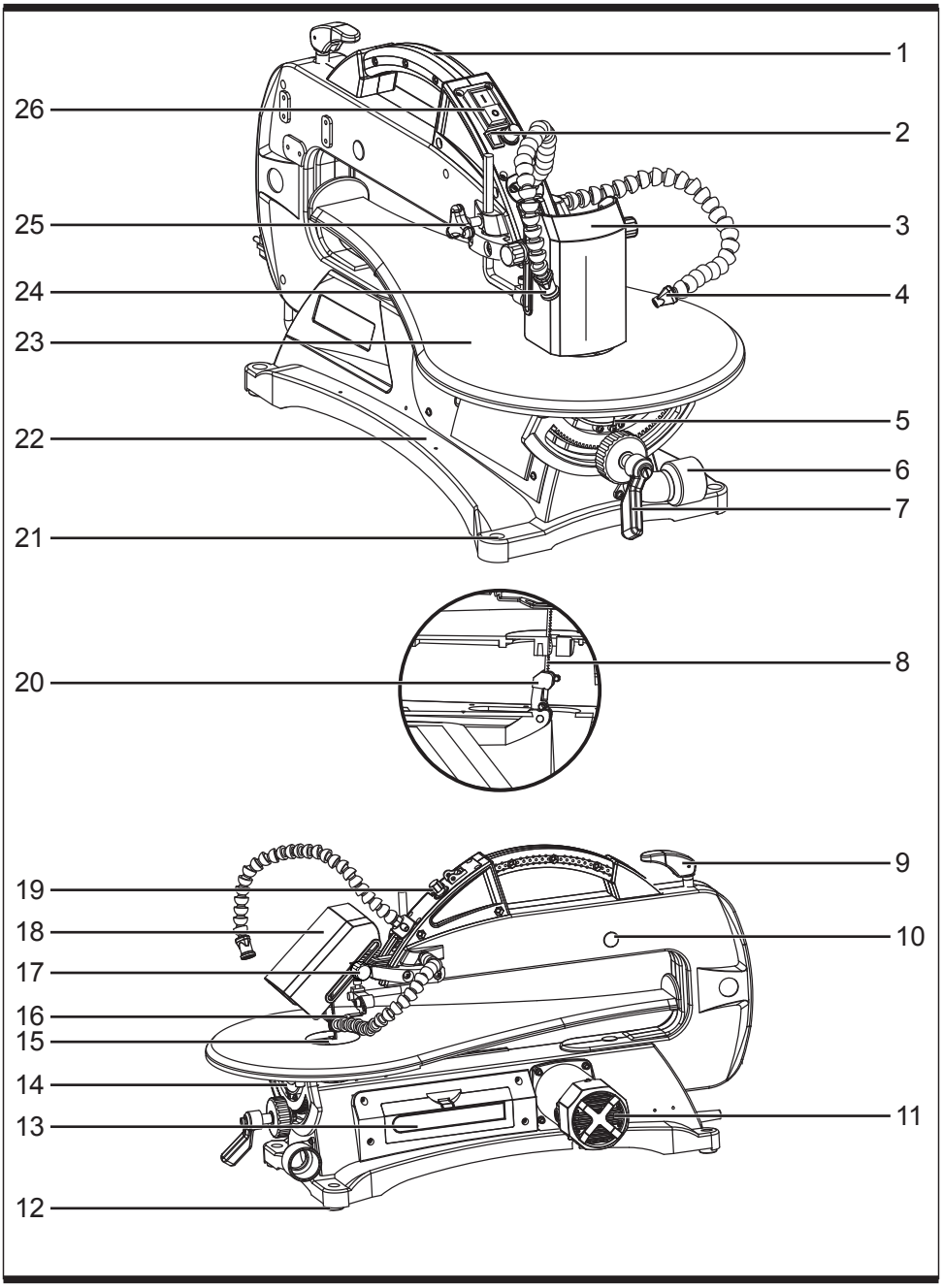

Wear gloves.


Wear respiratory protection.


Switch the product off and disconnect it from the power supply before assembly, cleaning, adjustments, maintenance, storage and transportation.


The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.


WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.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1. Carry handle	14. Bevel scale
2. LED light switch	15. Table insert
3. Upper blade holder	16. Drop foot
4. Dust blower	17. Blade guard lock knob
5. Bevel indicator	18. Blade guard
6. Dust extraction port	19. Variable speed knob
7. Bevel locking lever	20. Lower blade holder
8. Saw blade	21. Mounting hole
9. Blade tension knob	22. Base
10. Rubber bearing cover	23. Working table
11. Motor	24. LED light
12. Rubber foot	25. Drop foot lock knob
13. Storage compartment	26. ON/OFF switch

CARACTERISTIQUES TECHNIQUES

Input voltage	230-240V~50Hz
Power input	240W S6 60% 10min
Saw blade speed	400-1600min^{-1}
Saw blade size	127mm x 2.6mm
Max. cutting depth	51mm
Max. cutting width	457mm
Working table size	625 x 330mm
Table tilting range	-45° to +45°
Weight	20.5kg

NOISE

A weighted sound pressure L_{pA}	76.4dB(A)
A weighted sound pressure L_{WA}	85dB(A)
Uncertainty	3dB(A)

The sound intensity level for the operator may exceed 85dB(A) and sound protection measures are necessary.

IMPORTANT NOTE

Remove the mains plug from socket before carrying out any adjustment or servicing. Ensure your mains supply voltage is the same as your tool rating plate voltage.

Ensure your mains supply voltage is the same as your tool rating plate voltage. This machine is designed for operating in S6 mode (uninterrupted temporary operation), the power can be increased to 240 W. The relative operating time in this operating mode is 60%, which means that the product may be operated for a 6 minute cycle at 240 W and then be left to run in idle for 4 minutes to cool down. The appliance may therefore be operated continuously for 60% of the 10 minute operating cycle at 240 W.

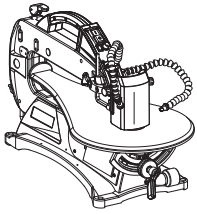
ASSEMBLY INSTRUCTION

UNPACKING

- Unpack all parts and lay them on a flat, stable surface.
- Remove all packing materials and shipping devices if applicable.
- Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
- Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

CAUTION! Do not lift the saw by the arm that holds the blade. The saw will be damaged.

The scroll saw is supplied with following accessories:



Scroll saw assembly
[27] x 01

Rubber foot
[12] x 04

5mm Hex key
[28] x 01

YOU WILL NEED

(items not supplied)	(items supplied)
12mm Open-end wrench	5mm Hex key (1pc)
or adjustment wrench	
Phillips screwdriver	
Star-head screwdriver	
Combination square	
Small C-clamps (2pcs)	
Ruler or measuring tape	

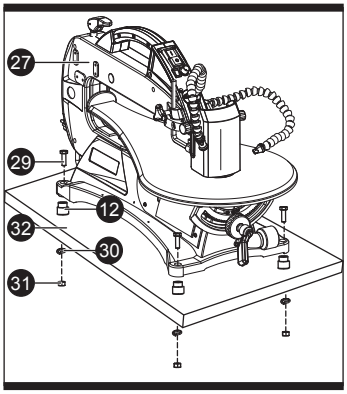


Fig. 1

WARNING! Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious injury.

MOUNTING SCROLL SAW TO WORKBENCH (Fig. 1)

If the scroll saw is to be used in a permanent application, we recommend that you secure it in a permanent location such as a workbench. When mounting the saw to a workbench, holes should be drilled through the supporting surface of the workbench.

- Insert one rubber foot (12) into each hole of the base on the scroll saw assembly (27).
- Each hole in the base of the saw should be bolted securely using hex bolts (29), locking washers (30) and hex nuts (31) (not included). Bolts should be of sufficient length to accommodate the saw base, washers, nuts and the thickness of the workbench (32).

WARNING! To avoid serious personal injury from unexpected tool movement, always secrurely mount scroll saw to a workbench.

NOTE: All bolts should be inserted from the top. Install the washers and nuts from the underside of the bench.

- Place scroll saw on workbench. Using the saw base as a pattern, locate and mark the holes where the scroll saw is to be mounted.
- Drill four holes through the workbench.
- Place scroll saw on workbench, aligning holes in the saw base with the holes drilled in the workbench.
- Insert all four bolts and tighten securely with washers and nuts.

Supporting surface where scroll saw is mounted should be examined carefully after mounting to insure that no movement during use can result. If any tipping or walking is noted, secure workbench or supporting surface before beginning cutting operations.

Reducing Noise and Vibration:
You may wish to place a foam pad or piece of carpet between the saw base and the workbench to help reduce noise and vibration.
If a foam pad or piece of carpet is used, do not overtighten the mounting bolts. Leave some cushion between the padding and the saw base to help absorb the noise and vibration.
The thickness of the padding material should be approximately 1/2" (13 mm).

DROP FOOT ADJUSTMENT (Fig. 2)
To prevent workpiece from lifting, the drop foot (16) should be rests flat above the workpiece and the drop foot adjusted so it is parallel to the working table when angle cutting. The drop foot should not be adjusted so that the workpiece drags.
Always retighten the drop foot lock knob (25) after each adjustment has been made.
- To adjust, loosen the screw (33), tilt the drop foot (16) so it is parallel to the working table, and tighten the screw.
- Loosen the drop foot lock knob (25) to raise or lower the drop foot until it just rests on top of the workpiece. Tighten the knob.
- Loosen the horizontal adjustment screw (34) with hex key 5mm (28) supplied, then move the drop foot forward or backward as needed.

The tall, front part of the drop foot acts as a blade protector to prevent accidental contact with the blade.

DUST BLOWER ADJUSTEMT (Fig. 3)
The attached dust blower (4) is designed to direct air to the cutting line. Adjust the dust blower to the desired position. For the best results, always direct air flow at the blade and the workpiece.

LED LIGHT ADJUSTEMT (Fig. 4)
With an easy ON/OFF switch, the attached LED light (24) keeps the cutting line on the workpiece lighted for more accurate scroll cut. Adjust the LED light to the desired position.

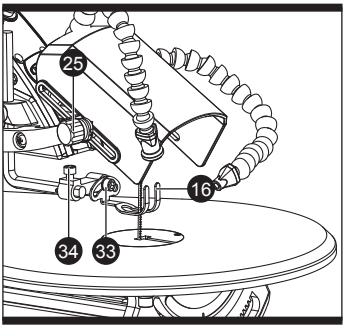


Fig. 2

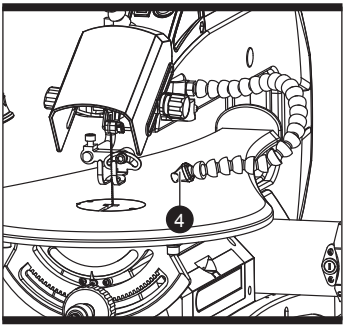


Fig. 3

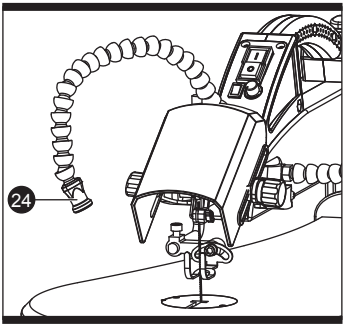


Fig. 4

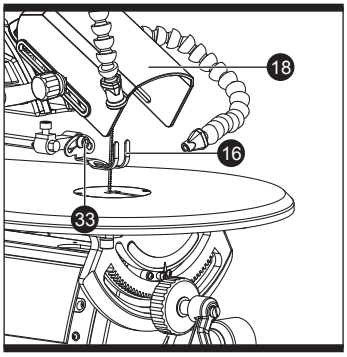


Fig. 5

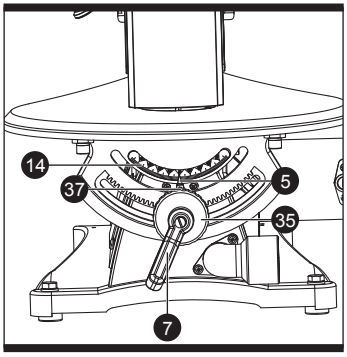


Fig. 6

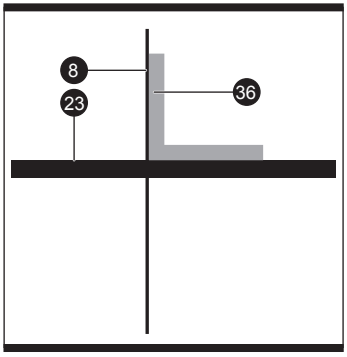


Fig. 7

SQUARING THE WORKING TABLE TO THE BLADE (Fig. 5-7)

- Open the blade guard (18) upward.
- Loosen the screw (33) and remove the drop foot (16).
- Loosen the bevel locking lever (7) to tilt the working table by turning the bevel adjustment knob (35) until it is approximately perpendicular or at right angle to the blade.
- Place a combination square (36) on the working table (23) next to the saw blade (8).
- Loosen the screw (37) holding the bevel indicator (5). Move indicator to the 0° mark and securely tighten screw. Remember, the bevel scale (14) is a convenient guide but should not be relied upon for precision. Make practice cuts on scrap material to determine if your angle settings are correct.
- Replace the drop foot and tighten the screw (33).
- Close the blade guard (18).

⚠ **NOTE:** When cutting at angles, the drop foot should be tilted so it is parallel to the working table and rests flat against the workpiece.

BLADE SELECTION (Fig. 8)

This scroll saw accepts 5" (12.7 cm) length pin-end blades, with a wide variety of blade thicknesses and widths. The type of material and intricacies of cutting operations will determine the number of teeth required per inch. Always select the narrowest blades for intricate (tight radius and curves) curve cutting and the widest blades for straight and large curve cutting operations. The following table represents suggestions for various materials. When purchasing blades, refer to the back of the package for best use of blades on various materials. Use this table as an example, but practice and your own personal preference will be the best selection method.

When choosing a blade, use very fine, narrow blades to scroll cut in thin wood 1/4" (6 mm) thick or less. Use wider blades for thicker materials, but this will reduce the ability to cut tight curves.

NOTE: Thinner blades will have more possibilities for blade deflection when cutting angles are not perpendicular to the table.

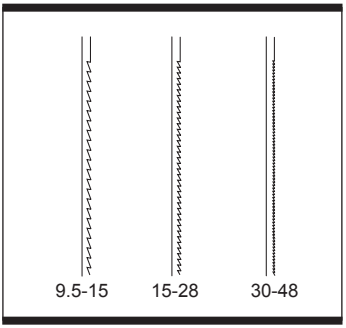


Fig. 8

Teeth/ inch TPI	Blade width Inch	Blade thickness Inch	Blade/ SPM	Material cut
10-15	0.110	0.018	500-1200	Medium turns on ¼" to 1-3/4" wood, soft metal, hardwood
15-28	0.055-0.110	0.010-0.018	800-1700	Small turns on 1/8" to 1-1/2" wood, soft metal, hardwood
30-48	0.024-0.041	0.012-0.019	Varies	Non-ferrous metal/ hardwoods using very slow speeds

BLADE CARE

To maximize the life of your scroll saw blades:

- Do not bend blades when installing.
- Always set proper blade tension.
- Use the right blades (See instructions on replacement blade packaging for proper use.)
- Feed the workpiece correctly into the blade.
- Use thin blades for intricate cutting.

CAUTION! Any and all servicing should be performed by a qualified service centre.

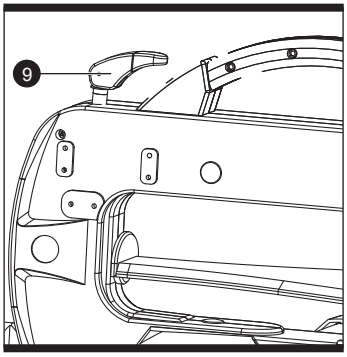


Fig. 9

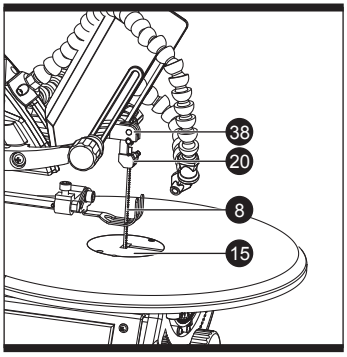


Fig. 10

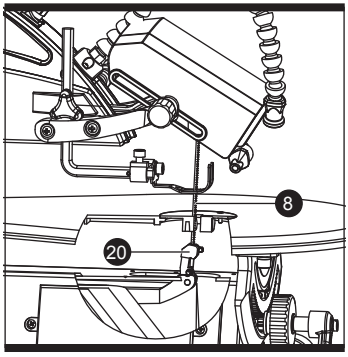


Fig. 11

BLADE REMOVAL AND INSTALLATION (Fig. 9-11)

CAUTION! To prevent personal injury, always turn saw OFF and disconnect the plug from the power source before changing blades.

PIN-END BLADES: (Fig. 9-11)

Pin-end blades are thicker for stability and for faster assembly. They provide faster cutting on a variety of materials.

NOTE: When installing pin-end blades, the slot on the blade holder must be slightly wider than the thickness of the blade. After the blade is installed, the blade tension knob will keep it in place.

To remove a blade:

- Open the blade guard upward.
- Loosen the blade tension by pushing the blade tension knob (9) up.
- Lift the saw blade (8) out by pulling forward on blade, then lifting the blade from the upper blade holder (3) and lower blade holder (20). Slight downward pressure against the upper arm (38) may be helpful when removing blade from upper blade holder.

Install a blade:

- Place the new blade through the opening in the table insert (15) with the teeth to the front of the saw and pointing down toward the work table.
- Hook the new blade (8) in the recess of the lower blade holder (20).
- Pull up on the blade, press down on the upper arm (38) and position the upper end of the blade in the slot on the upper blade holder (3).
- Push down the blade tension lock knob (9).

Make sure the blade is properly located in the blade holders.

- Close the blade guard downward.

DUST EXTRACTION PORT (Fig. 12)

This scroll saw allows a hose or vacuum accessory (not provided) to be connected to the dust-extraction port (6) at the front of the saw.

If excessive sawdust buildup occurs inside the base, use a wet/dry vacuum cleaner or manually remove sawdust.

This will keep your saw cutting efficiently.

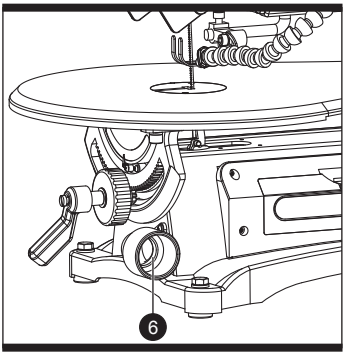


Fig. 12

OPERATION INSTRUCTION

RECOMMENDATIONS FOR CUTTING

A scroll saw is basically a curve-cutting machine. It can also be used for straight cutting and beveling or angle cutting operations. Please read and understand the following items before attempting to use the saw.

- When feeding the workpiece into the blade, do not force it against the blade. This could cause blade deflection. Allow the saw to cut the material by guiding the workpiece into the blade as it cuts.
- The blade teeth cut material ONLY on the down stroke.
- Guide the wood into the blade slowly because the teeth of the blade are very small and remove wood only on the down stroke.
- Best results are achieved when cutting wood 1" (2.5 cm) thick or less.
- When cutting wood thicker than 1" (2.5 cm), guide the wood very, very slowly into the blade and take extra care not to bend or twist the blade while cutting in order to maximize blade life.
- Teeth on scroll saw blades wear out and the blades must be replaced frequently for best cutting results. Scroll saw blades generally stay sharp for 30 minutes to two hours of cutting.
- To get accurate cuts, be prepared to compensate for the blade's tendency to follow the wood grain as you are cutting.
- This scroll saw is primarily designed to cut wood or wood products. For cutting precious and non-ferrous metals, the variable control switch must be set at very slow speeds.
- When choosing a blade, use very fine, narrow blades to scroll cut in thin wood 1/4" (0.6 cm) thick or less. Use wider blades for thicker materials, but this will reduce the ability to cut tight curves.
- Blades wear faster when cutting plywood or very abrasive particle board. Angle cutting in hardwoods wears blades down faster.

NOTE: The saw is primarily intended for woodworking. If it is being used for woodworking, choose a suitable device that prevents you from inhaling the dust. Insert the nozzle to a standard vacuum hose.

BASIC OPERATION OF THE SCROLL SAW

Before starting a cut, watch the saw run. If you experience excessive vibration or unusual noise, stop immediately. Turn the saw off and unplug the saw. Do not restart until locating and correcting the problem.

NOTE: After the saw is turned ON, a hesitation before blade movement is normal.

CUTTING PROCEDURES

There is a learning curve for each person who wants to use this saw. During that period of time it is expected that some blades will break until you learn how to use and adjust the saw.

- Plan the way you will hold the workpiece from start to finish.
- Keep your hands away from the blade. Do not hand hold pieces so small your fingers will go under the blade guard.
- Hold the workpiece firmly against the saw table.
- The blade teeth cut material only on the down stroke. Use gentle pressure and both hands when feeding the work into the blade. Do not force the work.
- Guide the workpiece into the blade slowly because the teeth of the blade are very small and can only remove material on the down stroke.
- Avoid awkward operations and hand positions where a sudden slip could cause serious injury from contact with the blade. Never place hands in blade path.
- To get accurate cuts, compensate for the blade's tendency to follow the wood grain as you are cutting wood.
- Use extra supports (tables, saw horses, blocks, etc.) when cutting large, small or awkward workpieces.
- Never use another person as a substitute for a table extension or as additional support for a workpiece that is longer or wider than the basic saw table.
- When cutting irregularly shaped workpieces, plan your work so it will not pinch the blade. Workpieces must not twist, rock or slip while being cut.

REMOVING JAMMED MATERIAL

When backing out the workpiece, the blade may bind in the kerf (cut). This is usually caused by sawdust clogging the kerf or when the blade comes out of the blade holders. If this happens:

- Wait until the saw has come to a full and complete stop.
- Place the switch in the Off position.
- Unplug the saw from the power source.
- Remove the saw's blade and the workpiece, refer to section on “blade removal and installation.”
- Wedge the kerf open with a flat screwdriver or wooden wedge, then remove the blade from the workpiece.

WARNING: Before removing loose pieces from the table or making adjustments, turn saw off and wait for all moving parts to stop to avoid serious personal injury.

AVOIDING INJURY

- Make sure saw is level and does not rock. Saw should always be on a firm, level surface with plenty of room for handling and properly supporting the workpiece.
- Bolt saw to the support surface to prevent slipping, walking or sliding during operations like cutting long, heavy boards.
- Turn saw off and unplug cord from the power source before moving the saw.
- Do not remove jammed pieces until blade has come to a full and complete stop.
- Choose the right size and style blade for the material and type of cut you plan to do.
- Use only recommended accessories.
- With the exception of the workpiece and related support devises, clear everything off the saw table before turning the saw on.
- Properly support round materials such as dowel rods or tubing because they have a tendency to roll during a cut, causing the blade to “bite.” To avoid this, always use a “V” block or clamp workpiece to a miter gauge.
- Before removing loose pieces from the saw table, turn saw off and wait for all moving parts to stop.

ON/OFF SWITCH AND VARIABLE SPEED KNOB (Fig. 13)

- To turn the saw ON, press the green button "I" (39).
- To turn the saw OFF, press the red button "O" (40).

NOTE: After saw is turned on, a hesitation before blade movement is normal. Always wait for the saw to come to a complete stop before restarting.

WARNING: To prevent serious personal injury, never leave the saw unattended until the blade has come to a complete stop.

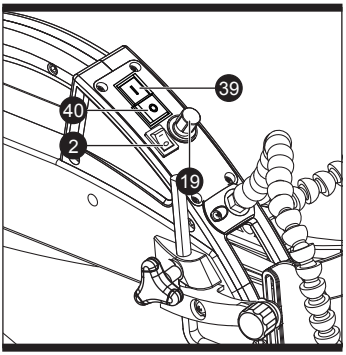


Fig. 13

You scroll saw has a variable speed knob (19). By turning the knob, the variable speed control may be adjusted from the high speed of approximately 1600 RPM to the low speed of approximately 400 RPM. Suggested speeds are referred to the section "Blade Selection."

- Turn the variable speed knob (19) to adjust the blade speed to the desired setting. Turning the knob clockwise increases speed. Turning it counterclockwise reduces speed.

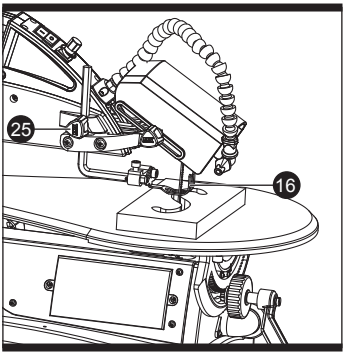


Fig. 14

LED LIGHT SWITCH (Fig. 14)

- To turn the light on, press the LED light switch (2) to the ON (I) position.
- To turn the light off, press the LED light switch (2) to the OFF (O) position.

FREEHAND CUTTING (Fig. 15)

- Lay out desired design, or secure design to the workpiece.
- Raise the drop foot (16) by loosening the drop foot lock knob (25).
- Position the workpiece against the blade and place the drop foot against the top surface of the workpiece.
- Secure the drop foot (16) by tightening the drop foot knob knob (25).
- Remove the workpiece from the blade prior to turning the scroll saw ON.

CAUTION: In order to avoid uncontrollable lifting of the workpiece and to reduce blade

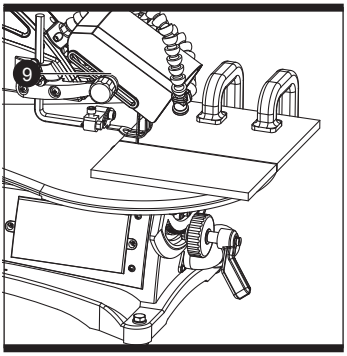


Fig. 15

breakage, do not turn the switch on while the workpiece is against the blade.

- Slowly feed the workpiece into the blade by guiding and pressing the workpiece down against the table.

CAUTION: Do not force the leading edge of the workpiece into the blade. The blade will deflect, reducing accuracy of cut, and it may break.

- When the cut is complete, move the trailing edge of the workpiece beyond the drop foot. Turn the switch OFF.

RIP OR STRAIGHT LINE CUTTING (Fig. 15)

- Raise the drop foot by loosening the drop foot lock knob.
- Measure from the tip of the blade to the desired distance. Position the straight edge parallel to the blade at that distance.
- Clamp the straight edge to the table.
- Recheck your measurements using the workpiece to be cut and make sure the straight edge is secure.
- Position the drop foot against the the top surface of the workpiece.
- Secure the drop foot in place by tightening the drop foot lock knob.
- Remove the workpiece from the blade prior to turning the scroll saw ON.

CAUTION: In order to avoid uncontrollable lifting of the workpiece and reduce blade breakage, do not turn the switch on while the workpiece is against the blade.

- Position the workpiece against the straight edge prior to touching the leading edge of the workpiece against the blade.
- Slowly feed the workpiece into the blade, guiding the workpiece against the straight edge and pressing the workpiece down against the table.

CAUTION: Do not force the leading edge of the workpiece into the blade. The blade will deflect, reducing accuracy of cut, and it may break.

- When the cut is complete, move the trailing edge of the workpiece beyond the drop foot. Turn the switch OFF.

INTERIOR CUTTING (Fig. 16)

- Lay out the design on the workpiece. Drill a 1/4" (0.6 cm) hole in the workpiece.
- Remove the blade. Refer to the section "Blade removal and Installation."
- Place the workpiece on the work table with the hole in the workpiece over the access hole in the work table.
- Install a blade through the hole in the workpiece.
- Follow steps 3-7, under "Freehand cutting".
- When finished making the interior scroll cuts, simply turn the scroll saw OFF.

Unplug the saw before removing the blade from the blade holder. Remove the workpiece from the table.

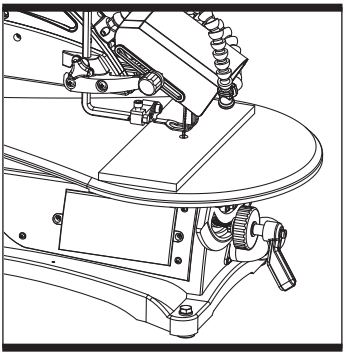


Fig. 16

BEVEL CUTTING (ANGLE CUTTING) (Fig. 17-18)

- Lay out or secure design to workpiece.
- Move the drop foot to the highest position by loosening the drop foot lock knob. Retighten the drop foot lock knob.
- Tilt the table to the desired angle by loosening the bevel locking lever (7) turn bevel adjusting knob (35) to move the working table to the proper angle using the bevel scale (14) and the bevel indicator (5).
- Tighten the bevel locking lever (7).
- Loosen the screw (33) with 5 mm hex key, and tilt the drop foot (16) to the same angle as the working table. Retighten the screw.
- Position the workpiece on the right side of the blade. Lower the drop foot against the surface by loosening the drop foot lock knob. Retighten the drop foot lock knob.
- Follow steps 5-7 under "Freehand cutting".

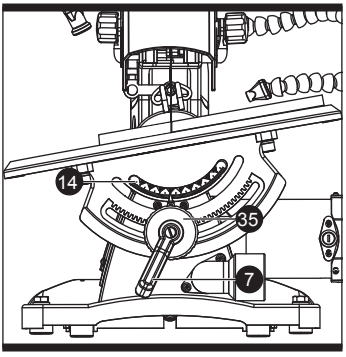


Fig. 17

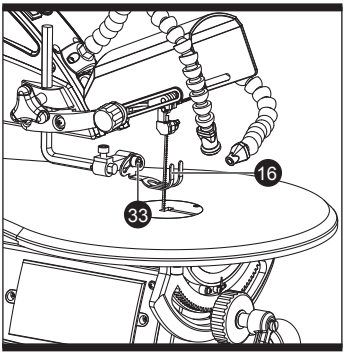


Fig. 18

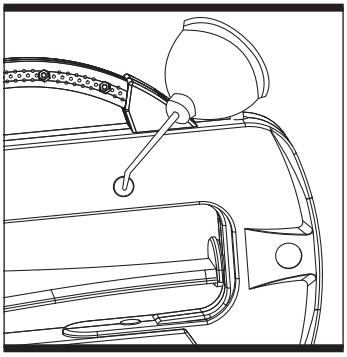


Fig. 19

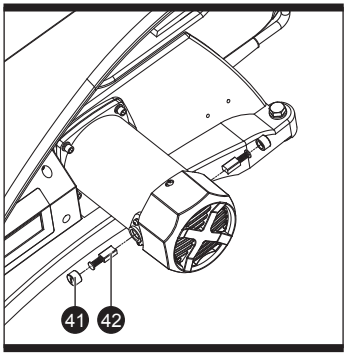


Fig. 20

MAINTENANCE

WARNING! To ensure safety and reliability, all repairs should be performed by a qualified. service technician.

WARNING! When servicing, use only identical replacement parts. The use of any other parts may create a hazard or cause damage to the tool.

WARNING! TO AVOID INJURY FROM UNEXPECTED STARTING OR ELECTRIC SHOCK unplug the tool from the power supply before cleaning or performing any maintenance.

CLEANING

- Keep your scroll saw clean.
- After cleaning the table top initially, apply a thin coat of automobile type (paste) wax to the table top so the wood slides easily while cutting.
- Do not allow pitch to accumulate on the working table. Clean with gum and pitch remover.

LUBRICATION (Fig. 19)

Lubricate the arm bearings (one on each side of the saw) after the first 10 hours of use. Oil after every 50 hours of use or whenever there is a squeak coming from the bearings.

- Carefully place the saw on its side, as shown in Figure 21. Remove the rubber cap from the upper and the lower arm of the saw.
- Squirt a few drops of SAE20 oil around the shaft end and arm bearings. Let oil soak in overnight, remaining in this position.

NOTE: You lubricate the bearings on the other side of the saw in this same manner.

BRUSH REPLACEMENT (Fig. 20)

Your saw has externally accessible motor brush assemblies that should be checked after 50 hours of use for wear. When one of the two brushes becomes worn to 1/16" (2 mm) in length, replace both brushes.

- Unplug the saw from the power source.
- Loosen and remove the two brush caps (41) using a screwdriver.
- Pull out each brush (42). Inspect the brush and

replace if necessary. Replace both brushes even if only one is damaged.

NOTE: After inspecting the brushes, be sure to re-install the brushes into the same position that they were in if you are not installing new ones.

- Position the brushes in the motor. Tighten the brush caps snugly. Do not overtighten.
- Run the saw for approximately five to ten minutes to allow the brushes to "seat" themselves. If the brushes are not seated correctly, the electric brake may not function correctly and could damage the motor. While the brushes are seating, some sparking may be noticed in the motor. This is normal for new brushes.

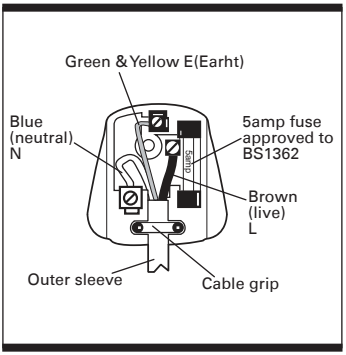


Fig. 21

PLUG REPLACEMENT (Fig. 21)

If you need to replace the fitted plug then follow the instructions below.

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue – Neutral
Brown – Live
Green/Yellow – Earth

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire, which is coloured blue, must be connected to the terminal which is marked with an N or coloured black. The wire, which is coloured brown, must be connected to the terminal which is marked with an L or coloured red. The wire, which is coloured green/yellow, must be connected to the remaining terminal which is marked with an E or ⏚.

WARNING: Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved 5 Amp BS1363/A plug and the correct rated fuse.

NOTE: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.

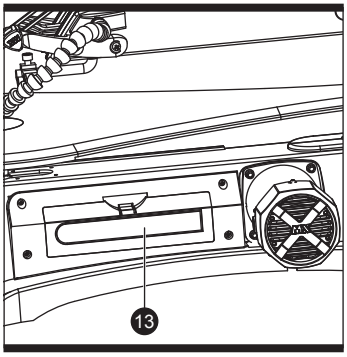


Fig. 22

STORAGE COMPARTMENT (Fig. 22)

The scroll saw has the storage compartment (13) that is located under the right side of the working table. It can be used for storage of small accessories, such as saw blades or hex keys.

ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. For further information visit www.recyclemore.co.uk.

TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Breaking blades	1. Incorrect tension	1. Adjust blade tension
	2. Overworked (worn out) blade	2. Reduce feed rate or replace blade
	3. Wrong blade being used	3. Use narrow blades for thin wood, wider blades for thicker wood
	4. Twisting blade in wood	4. Avoid side pressure on blade
Motor will not run	1. Defective cord, plug or outlet	1. Unplug saw, replace defective parts
	2. Defective motor	2. Repairs MUST be made by a qualified technician. Call Service dept. for advice
Excessive vibration (Some vibration is inevitable when the saw and motor are running)	1. Improper mounting of saw	1. See proper assemble instruction
	2. Unsuitable mounting surface	2. Replace plywood workbench surface with solid lumber surface
	3. Loose table	3. Tighten bevel locking lever
	4. Motor mount is loose	4. Tighten motor mount screws
Blade runout	1. Insufficient blade tension	1. Increase blade tension
	2. Dull blade causing excessive force to be used at workpiece	2. Renew blade and correctly tension

Erbauer®

Declaration of Conformity

We, Importer
Erbauer (UK) LTD BA22 8RT

Declare that the product
ERBAUER 457MM SCROLL SAW
ERB704SSW

Complies with the following Directives:

Machine Directive **2006/42/EC**
EMC directive **2014/30/EU**

2011/65/EU Restrictions of the use of certain hazardous substances in electrical and electronic equipment (RoHS)
2012/19/EU Waste Electrical and Electronic Equipment (WEEE)
Regulation (EC) No 1907/2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Standards and technical specifications referred to:

EN 61029-1:2009+A11:2010
EN55014-1:2006+A1:2009+A2:2011
EN 55014-2:1997+A1:2001+A2:2008
EN61000-3-2:2014
EN 61000-3-3:2013

This statement covers machines whose number series is between 1 and 100000.

Authorised Signatory and technical file holder
Date: 05/09/16
Signature: _____
Name: John Fretwell
Erbauer (UK) Ltd
Quality Assurance Manager

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