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Ingco SS852

Ingco SS852 85W Scroll Saw Instruction Manual

Model: SS852

Introduction

Thank you for choosing the Ingco SS852 85W Scroll Saw. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new scroll saw. Please read these instructions carefully before using the tool to ensure optimal performance and user safety. Keep this manual for future reference.

Safety Instructions

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry that can get caught in moving parts. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

Components Overview

The Ingco SS852 Scroll Saw is designed for precision cutting of various materials. Familiarize yourself with its main components:



Image: The Ingco SS852 85W Scroll Saw, featuring its grey body, white work table, and flexible dust blower arm with a clear blade guard. The Ingco logo is visible on the machine and in the top right corner.

- **Motor Housing:** Contains the 85W induction motor.
- **Work Table:** Steel table, size 375*250mm, capable of tilting 0-45° left and right.
- **Blade Guard:** Transparent guard for safety during operation.
- **Dust Blower:** Flexible arm to keep the cutting line clear.
- **Blade Tension Knob:** For adjusting blade tension.
- **Speed Control Knob:** To adjust the no-load speed from 0-1450rpm.
- **Blade Clamp:** Tool-free system for quick blade changes.

Setup

1. Unpacking

1. Carefully remove the scroll saw and all accessories from the packaging.
2. Inspect the tool for any damage that may have occurred during shipping. Do not operate if damaged.
3. Ensure all components listed in the packaging are present.

2. Blade Installation

The SS852 features a quick and easy tool-free blade system.

1. Ensure the scroll saw is unplugged from the power source.
2. Locate the blade clamps (upper and lower).
3. Insert the blade (size: 133*2.6*0.25mm, 18TPI) into the lower blade clamp, ensuring the teeth point downwards. Tighten the clamp securely by hand.
4. Pull the upper arm down slightly and insert the top of the blade into the upper blade clamp. Tighten securely.
5. Adjust the blade tension using the tension knob until the blade is taut but not overly stressed.

3. Table Adjustment

The steel work table can be tilted for angled cuts.

1. Loosen the table locking knob located beneath the table.
2. Tilt the table to the desired angle (0-45° left or right). Use the angle scale for precision.
3. Once the desired angle is set, tighten the table locking knob firmly to secure the table in place.

Operation

1. Power Connection

Connect the scroll saw to a standard 220-240V~50Hz power outlet. Ensure the power switch is in the OFF position before plugging in.

2. Speed Control

The SS852 features variable speed control (0-1450rpm) for different materials and cutting requirements.

- Turn the speed control knob to adjust the blade speed.
- Lower speeds are generally suitable for thicker or harder materials, while higher speeds are for thinner or softer materials.

3. Cutting Procedure

1. Place the workpiece firmly on the work table.
2. Adjust the blade guard to a safe working height, just above the workpiece.
3. Turn on the scroll saw using the power switch.
4. Gently feed the workpiece into the blade, following your cutting line. Do not force the material.
5. The anti-vibration design ensures stable work, allowing for precise cuts.
6. The maximum cutting depth is 50mm, and the maximum cutting width is 410mm.
7. Utilize the dust blower to keep your cutting line visible.
8. When finished, turn off the scroll saw and wait for the blade to come to a complete stop before removing the workpiece.

Maintenance

1. Cleaning

- Always unplug the tool before cleaning.
- Regularly remove sawdust and debris from the work area, motor vents, and blade mechanism using a brush or compressed air.
- Wipe down external surfaces with a clean, damp cloth. Do not use harsh chemicals or solvents.

2. Blade Care and Replacement

- Inspect the blade before each use for sharpness and damage. Replace dull or damaged blades immediately.
- Follow the blade installation steps in the Setup section for replacement.
- Use only blades of the specified size (133*2.6*0.25mm, 18TPI) for optimal performance and safety.

Troubleshooting

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch	Check power connection and outlet; Contact service for switch replacement.
Blade breaks frequently	Incorrect blade tension; Forcing workpiece; Worn blade	Adjust blade tension; Reduce feed pressure; Replace blade.
Inaccurate cuts	Loose blade; Incorrect table angle; Worn blade	Tighten blade; Re-adjust table angle; Replace blade.
Excessive vibration	Loose mounting; Damaged blade	Ensure saw is securely mounted; Replace blade.

Specifications

Technical specifications for the Ingco SS852 85W Scroll Saw:

Feature	Specification
Input Power	85W
Voltage	220-240V~50Hz
No-load Speed	0-1450rpm
Max Cutting Depth	50mm
Max Cutting Width	410mm
Table Size	375*250mm
Table Tilting Range	0-45° (left and right)
Blade Size	133*2.6*0.25mm (18TPI)
Motor Type	Induction Motor
Item Weight	350 Grams
Product Dimensions	28L x 18W x 8H Centimeters

Warranty and Support

This product is provided with **No Warranty** as per the manufacturer's specifications. For technical assistance or inquiries regarding your Ingco SS852 Scroll Saw, please contact your retailer or the authorized Ingco service center in your region. Always refer to the model number (SS852) when seeking support.

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