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> SKIL 7-1/4 inch Circular Saw Model 5250 User Manual

skil 5250

SKIL 7-1/4" Circular Saw Model 5250

USER MANUAL

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your SKIL 7-1/4" Circular Saw Model 5250. Please read all instructions carefully before using the tool to ensure your safety and prolong the life of the saw.

Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and a dust mask when operating this power tool.

Product Overview



Image: The SKIL 7-1/4 inch Circular Saw Model 5250, showcasing its main body, handle, blade guard, and power cord. This image provides a general view of the tool's design and components.

The SKIL 7-1/4" Circular Saw Model 5250 is a powerful corded electric tool designed for cutting wood and wood-based materials. It features a 7-1/4 inch blade, a 2-1/2 horsepower motor, and adjustable depth and bevel settings for versatile cutting applications.

Setup

1. Unpacking and Inspection

- Carefully remove the saw and all accessories from the packaging.
- Inspect the tool for any shipping damage. Do not operate if damaged.
- Ensure all components listed in the packing list are present.

2. Blade Installation and Removal

1. **Disconnect Power:** Always unplug the saw from the power source before installing or removing the blade.
2. **Retract Lower Guard:** Lift the lower blade guard lever to retract the guard.
3. **Secure Blade:** Place the blade onto the arbor with the teeth pointing in the direction of rotation (usually indicated by an arrow on the saw).
4. **Tighten Arbor Nut:** Use the provided wrench to securely tighten the arbor nut. Ensure the blade is firmly seated.
5. **Check Guard:** Release the lower guard and ensure it moves freely.

3. Adjusting Cutting Depth

The cutting depth should be set so that the blade extends approximately 1/8 inch (3 mm) below the material being cut. This minimizes kickback and provides a cleaner cut.

- Loosen the depth adjustment lever.
- Raise or lower the saw base to achieve the desired depth.
- Tighten the depth adjustment lever securely.

4. Adjusting Bevel Angle

The saw can make bevel cuts up to a certain angle (e.g., 45 degrees).

- Loosen the bevel adjustment knob.
- Tilt the saw base to the desired angle, aligning with the angle scale.
- Tighten the bevel adjustment knob securely.

Operating Instructions

1. General Safety During Operation

- Always ensure the workpiece is securely clamped or supported.
- Keep hands clear of the cutting path and the rotating blade.
- Allow the blade to reach full speed before beginning a cut.
- Maintain a firm grip on the saw with both hands.
- Do not force the saw; let the blade do the work.
- Use a sharp, clean blade appropriate for the material being cut.

2. Starting and Stopping the Saw

- **To Start:** Press the trigger switch. Some models may have a safety lock-off button that must be pressed first.
- **To Stop:** Release the trigger switch. The blade will coast to a stop.

3. Making a Cut

1. Mark your cutting line clearly on the workpiece.
2. Position the saw base flat on the workpiece, with the blade aligned to your cutting line.
3. Start the saw and allow the blade to reach full speed.
4. Slowly push the saw forward along the cutting line, maintaining steady pressure.
5. Once the cut is complete, release the trigger and allow the blade to stop before lifting the saw from the workpiece.

Maintenance

Regular maintenance ensures the longevity and safe operation of your circular saw.

1. Cleaning

- **Disconnect Power:** Always unplug the saw before cleaning.
- Use a brush or compressed air to remove sawdust and debris from the motor vents, blade guard, and base plate.
- Do not use solvents or harsh chemicals that could damage plastic parts.

2. Blade Care

- Keep blades sharp and clean. Dull blades can cause kickback and strain the motor.
- Clean resin and pitch buildup from blades using a blade cleaner.
- Replace bent, cracked, or excessively worn blades immediately.

3. Carbon Brush Inspection (if applicable)

Some models may have user-replaceable carbon brushes. Refer to a detailed service manual or contact customer support if you suspect brush wear.

4. Storage

Store the saw in a clean, dry place, out of reach of children and away from moisture.

Troubleshooting

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Worn carbon brushes	Check power cord and outlet; Test switch; Inspect/replace brushes (if applicable)
Blade binds or stalls	Dull blade; Incorrect cutting depth; Workpiece not supported; Forcing the saw	Replace/sharpen blade; Adjust depth; Secure workpiece; Reduce feed pressure
Excessive vibration or noise	Loose blade; Damaged blade; Worn bearings	Tighten blade arbor nut; Replace blade; Contact service for bearing issues

If you encounter problems not listed here or solutions do not resolve the issue, contact SKIL customer support.

Specifications

Feature	Detail
Model Number	5250
Blade Diameter	7.25 Inches
Power Source	Corded Electric
Blade Material	High Speed Steel
Handle Material	Plastic
Color	Black

Feature	Detail
Included Components	Saw only

Warranty and Support

Warranty Information

This SKIL product is covered by a limited warranty. Please refer to the warranty card included with your purchase or visit the official SKIL website for detailed terms and conditions regarding coverage, duration, and how to make a claim.

Customer Support

For technical assistance, parts, or service, please contact SKIL customer support. Contact information can typically be found on the SKIL official website or on the product packaging.

Website: www.skil.com

Phone: Refer to the SKIL website for regional contact numbers.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question