SKIL F0155765AA

Skil 5765AA Circular Saw User Manual

Model: F0155765AA

1. Introduction

Thank you for choosing the Skil 5765AA Circular Saw. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference.

The Skil 5765AA is a powerful 1350W circular saw designed for precise and rapid cutting of various materials. Its robust construction and user-friendly features ensure reliable performance for your cutting tasks.

2. Safety Instructions

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual handy for quick reference.

General Power Tool Safety Warnings

- **Work Area Safety:** Keep 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. Always wear eye protection.
- **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.

Circular Saw Specific Safety Warnings

- **Cutting Procedure:** Hold the power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- **Kickback:** Kickback is a sudden reaction to a pinched, bound, or misaligned saw blade. Always maintain a firm grip with both hands on the saw and position your body and arm to allow you to resist kickback forces.

- **Blade Guard:** Always ensure the lower guard is properly closed before placing the saw on the workbench or floor. Never jam the lower guard open.

3. Product Components

Familiarize yourself with the main parts of your Skil 5765AA Circular Saw:

- Main Handle with Safety Switch
- Auxiliary Handle
- Upper Blade Guard
- Lower Blade Guard with Lifting Lever
- Saw Blade
- Base Plate (Shoe)
- Depth Adjustment Lever
- Bevel Adjustment Lever
- Spindle Lock Button
- Dust Extraction Port
- Saw Line Sight
- Parallel Guide Slot



Figure 3.1: Overview of the Skil 5765AA Circular Saw, showing the main body, blade guard, and handles.



Figure 3.2: Side view of the saw, highlighting the dust extraction port and the blade area.

4. Setup and Assembly

4.1. Installing/Changing the Saw Blade

1. Ensure the saw is unplugged from the power source.
2. Press and hold the spindle lock button.
3. Use the provided wrench to loosen the blade retaining screw by turning it counter-clockwise.
4. Lift the lower blade guard and remove the old blade.
5. Place the new blade onto the spindle, ensuring the rotation direction arrow on the blade matches the arrow on the saw's upper guard.
6. Secure the blade with the retaining screw, tightening it clockwise while holding the spindle lock button.

4.2. Adjusting Cutting Depth

The cutting depth can be adjusted to suit the thickness of your workpiece.

1. Loosen the depth adjustment lever located at the front of the saw.
2. Raise or lower the base plate to the desired cutting depth, indicated by the scale.
3. Tighten the depth adjustment lever firmly to secure the setting.

4.3. Adjusting Bevel Angle (Angle Cuts)

The saw can make bevel cuts up to 45 degrees.

1. Loosen the bevel adjustment lever.
2. Tilt the saw to the desired angle, indicated by the bevel scale.
3. Tighten the bevel adjustment lever firmly.



Figure 4.1: The saw adjusted for a bevel cut, demonstrating the tilt mechanism.

4.4. Connecting Dust Extraction

For a cleaner work environment, connect a vacuum cleaner to the dust extraction port.

- Attach a suitable vacuum hose to the dust extraction port on the saw.
- Ensure the connection is secure to maximize dust collection efficiency.

5. Operating Instructions

5.1. Starting and Stopping the Saw

- To start: Press the safety switch (if present) and then squeeze the trigger switch.
- To stop: Release the trigger switch. The blade will stop rotating.

5.2. Making a Cut

1. Secure your workpiece firmly to prevent movement during cutting.
2. Align the saw blade with your cutting line. The saw line sight helps with precise alignment.
3. Start the saw and allow the blade to reach full speed before engaging with the workpiece.
4. Guide the saw smoothly and steadily through the material, maintaining a firm grip with both hands. Do not force the saw.
5. Once the cut is complete, release the trigger switch and allow the blade to stop before lifting the saw from the workpiece.



Figure 5.1: The circular saw in operation, demonstrating a straight cut with the parallel guide.

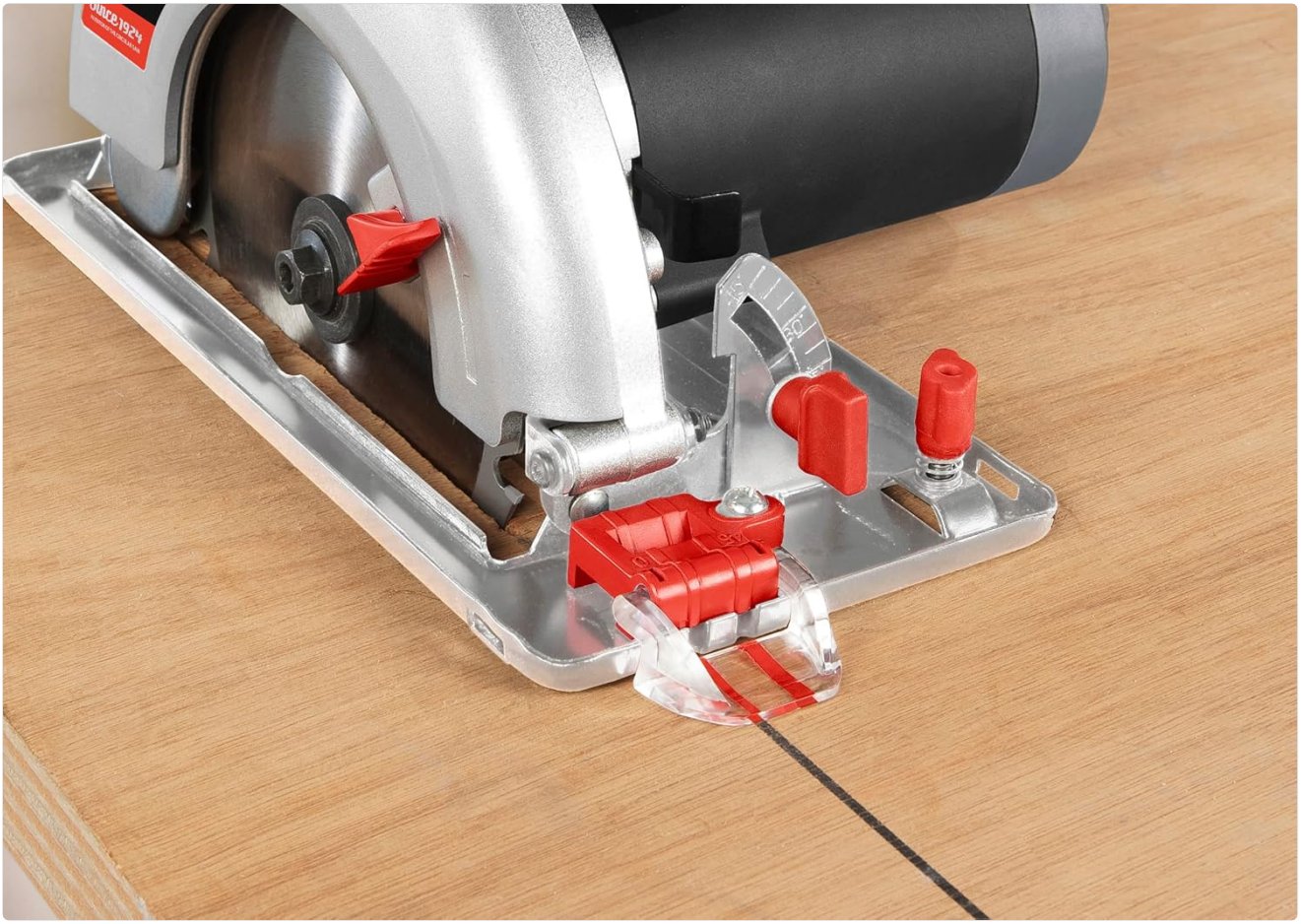


Figure 5.2: Close-up of the saw line sight, aiding in accurate cutting along a marked line.

5.3. Using the Parallel Guide

The parallel guide helps make straight cuts parallel to the edge of the workpiece.

- Insert the parallel guide into the slot on the base plate.
- Adjust the guide to the desired width from the blade and tighten its locking screw.
- Rest the guide against the edge of the workpiece while making the cut.

6. Maintenance and Care

Regular maintenance ensures optimal performance and extends the life of your tool.

6.1. Cleaning

- Always unplug the tool before cleaning.
- Clean the ventilation openings and the motor housing regularly with a soft brush or compressed air.
- Keep the blade guard clean and free of sawdust to ensure proper operation.

6.2. Blade Care

- Use only sharp, undamaged blades. Dull blades can cause kickback and strain the motor.
- Clean resin and pitch buildup from the blade using a suitable blade cleaner.

6.3. Internal Components



Figure 6.1: Internal view of the saw's durable helical gear and dust-sealed ball bearings, designed for longevity.

The Skil 5765AA features durable helical gears and dust-sealed ball bearings, minimizing the need for internal maintenance. Do not attempt to open the motor housing unless you are a qualified technician.

7. Troubleshooting

Before contacting customer service, try these common solutions for minor issues:

Problem	Possible Cause	Solution
Saw does not start	No power supply Safety switch not engaged Damaged power cord	Check power outlet and circuit breaker Ensure safety switch is pressed before trigger Inspect cord for damage; replace if necessary
Blade not cutting smoothly / Motor strains	Dull or dirty blade Incorrect blade for material Overfeeding the saw	Replace or clean blade Use appropriate blade for material Reduce feed rate
Excessive dust	Dust port clogged Vacuum not connected or insufficient	Clear dust port Connect vacuum; ensure it's powerful enough
Blade guard sticks	Sawdust buildup Damaged guard	Clean guard mechanism Contact service for replacement

8. Technical Specifications

Feature	Specification
Model Number	F0155765AA
Power Input	1350 Watts
Voltage	230 Volts (AC)
No-Load Speed	5000 rpm
Blade Diameter	184 mm
Max. Cutting Depth (90°)	65 mm
Max. Cutting Depth (45°)	43 mm
Weight	3 kg (6.61 lbs)
Dimensions (L x W x H)	31 x 23.7 x 23.6 cm
Power Source	Corded Electric
Blade Material	Steel (with Tungsten Carbide tip)
Handle Material	Plastic
Plug Format	Type C 2Pin

9. Warranty and Support

Your Skil 5765AA Circular Saw comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including warranty period and coverage details.

For technical assistance, spare parts, or repair services, please contact Skil customer support or an authorized service center. Contact information can typically be found on the Skil official website or on your product packaging. When contacting support, please have your model number (F0155765AA) and purchase date ready.

Ask a question about this manual

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