

skil circular saw model 559 manual

Skil Circular Saw Model 559 Manual

The Skil Circular Saw Model 559 is a versatile and powerful tool designed for both professional contractors and DIY enthusiasts. This manual aims to provide a comprehensive overview of the features, operation, maintenance, and safety precautions associated with the Skil 559 circular saw. Whether you are a beginner or an experienced user, understanding the manual will ensure that you maximize the performance and longevity of your circular saw.

Overview of the Skil Circular Saw Model 559

The Skil 559 is known for its durability, precision, and ease of use. Designed with advanced features, it can handle various cutting tasks, making it an essential addition to any toolbox. Below are some key specifications and features of the Skil 559:

Key Specifications

- Motor Power: 15 Amps
- Blade Size: 7-1/4 inches
- No-load Speed: 5,300 RPM
- Cutting Depth: Up to 2-7/8 inches at 90 degrees
- Weight: Approximately 10.5 lbs

Features

- Laser Guide: Provides an accurate cutting line for enhanced precision.
- Electric Brake: Stops the blade quickly for increased safety.
- Depth and Bevel Adjustments: Allows for customizable cuts based on the project requirements.
- Ergonomic Handle: Ensures comfort during extended use.
- Dust Blower: Keeps the cutting line clear for better visibility.

Getting Started with the Skil Circular Saw Model 559

When you first unpack your Skil Circular Saw Model 559, it's essential to familiarize yourself with its components and how they function. Below are the steps to get you started:

Unpacking and Assembly

1. Remove the Saw from the Box: Carefully take the circular saw out of the packaging.
2. Check for Included Accessories: Make sure all components are present, including the blade, wrench, and instruction manual.
3. Attach the Blade: If the blade is not pre-installed, follow these steps:
 - Use the provided wrench to loosen the arbor nut.
 - Place the blade onto the arbor with the teeth facing the front of the saw.
 - Tighten the arbor nut securely.

Power Supply and Safety Precautions

- Power Source: The Skil 559 is designed to work with standard 120V outlets.
- Safety Precautions:
 - Always wear safety glasses and hearing protection.
 - Ensure the work area is clean and free of obstacles.
 - Keep hands clear of the cutting path.
 - Disconnect from the power source when changing the blade or making adjustments.

Operating the Skil Circular Saw Model 559

Understanding how to operate your circular saw effectively is crucial for achieving clean cuts and maintaining safety.

Basic Operation Steps

1. Adjust the Cutting Depth:
 - Use the depth adjustment lever to set the depth of cut appropriate for your material. A good rule of thumb is to set the blade depth about 1/4 inch deeper than the thickness of the material.
2. Set the Bevel Angle:
 - If you need to make angled cuts, adjust the bevel angle using the bevel adjustment knob. Common angles are 0 degrees for straight cuts and 45 degrees for beveled cuts.
3. Powering On the Saw:
 - Plug the saw into a power outlet and ensure the power switch is in the "off" position before connecting.
 - Once ready, press the power switch to start the saw.
4. Making the Cut:

- Align the saw with your cut line, using the laser guide if necessary.
- Gently lower the saw onto the material while applying even pressure. Do not force the saw; let the blade do the work.
- After completing the cut, release the power switch and allow the blade to come to a complete stop before lifting it off the material.

Common Cutting Techniques

- Cross-Cutting: Cutting across the grain of the wood.
- Ripping: Cutting along the grain of the wood.
- Bevel Cuts: Cutting at an angle for joints or decorative edges.

Maintenance of the Skil Circular Saw Model 559

Proper maintenance of the circular saw will ensure its longevity and performance. Here are some essential maintenance tips:

Regular Cleaning

- After Each Use: Clean the saw's exterior and the blade with a soft cloth to remove sawdust and debris.
- Blade Maintenance: Regularly inspect the blade for dullness or damage. Sharpen or replace the blade as necessary.

Lubrication and Inspection

- Lubrication: Check the saw's moving parts and apply lubricant when necessary to ensure smooth operation.
- Inspect Power Cord: Regularly check the power cord for frays or damage, replacing it if necessary.

Storage

- Store the saw in a dry, cool place away from direct sunlight.
- Use a protective case or cover to prevent dust accumulation.

Troubleshooting Common Issues

Even the best tools can encounter problems. Here are some common issues you

might face with the Skil Circular Saw Model 559 and how to troubleshoot them:

Common Problems and Solutions

1. Blade Won't Spin:

- Ensure the power supply is connected and the switch is in the "on" position.
- Check for any obstructions blocking the blade.

2. Dull Cuts:

- Inspect the blade for dullness. Sharpen or replace the blade if necessary.
- Ensure you are using the correct blade for the material being cut.

3. Excessive Vibration:

- Check for loose screws or components.
- Ensure the blade is properly installed and tightened.

Safety Guidelines

Safety should always be your top priority when using a circular saw. Here are essential safety guidelines to follow:

- Always wear appropriate safety gear, including eye protection and hearing protection.
- Keep your hands and body clear of the cutting path.
- Never remove or disable safety features, such as the electric brake.
- Disconnect the power before changing the blade or making adjustments.

Conclusion

The Skil Circular Saw Model 559 is a reliable tool that can transform your woodworking projects with its power and precision. By following the information outlined in this manual, you can effectively operate, maintain, and troubleshoot your circular saw, ensuring it remains a valuable asset in your toolkit. Remember to prioritize safety and practice good maintenance habits to maximize the lifespan and performance of your Skil 559 circular saw. Happy cutting!

Frequently Asked Questions

What are the key features of the Skil Circular Saw Model 559?

The Skil Circular Saw Model 559 features a powerful 13-amp motor, a 7-1/4 inch blade, and a laser guide for precision cutting. It also has a durable aluminum base for stability and an ergonomic design for comfort.

Where can I find the manual for the Skil Circular Saw Model 559?

The manual for the Skil Circular Saw Model 559 can be found on the official Skil website under the 'Support' section, or you can check online retailers that sell the saw for downloadable PDF versions.

What type of blade is recommended for the Skil Circular Saw Model 559?

For the Skil Circular Saw Model 559, a 7-1/4 inch carbide-tipped blade is recommended for efficient cutting through wood, plywood, and other materials.

How do I adjust the depth of cut on the Skil Circular Saw Model 559?

To adjust the depth of cut on the Skil Circular Saw Model 559, locate the depth adjustment lever, unlock it, and slide the base plate up or down to the desired depth before locking it back in place.

What safety features does the Skil Circular Saw Model 559 have?

The Skil Circular Saw Model 559 is equipped with a blade guard, an electric brake to stop the blade quickly, and a safety switch to prevent accidental starting.

Can I use the Skil Circular Saw Model 559 for cutting metal?

The Skil Circular Saw Model 559 is primarily designed for wood and similar materials. For cutting metal, it is advisable to use a specialized metal-cutting blade and check the manufacturer's guidelines.

What is the warranty period for the Skil Circular Saw Model 559?

The Skil Circular Saw Model 559 typically comes with a 3-year limited warranty, which covers defects in materials and workmanship under normal use.

How do I change the blade on the Skil Circular Saw Model 559?

To change the blade on the Skil Circular Saw Model 559, unplug the saw, use the blade wrench provided to loosen the arbor nut, remove the old blade, place the new blade on the arbor, and tighten the nut securely.

What is the recommended maintenance for the Skil Circular Saw Model 559?

Regular maintenance for the Skil Circular Saw Model 559 includes cleaning the saw after use, checking and sharpening the blade, inspecting the power cord for damage, and storing the saw in a dry, safe place.

[Skil Circular Saw Model 559 Manual](#)

Skil Circular Saw Model 559 Manual

Related Articles

- [social work an empowering profession by dubois 4th edition](#)
- [solution to immigration crisis](#)
- [society for neuro oncology 2022](#)

[Back to Home](#)