

dewalt 706 miter saw manual

Dewalt 706 Miter Saw Manual

The Dewalt 706 miter saw is a powerful tool designed for precision cutting in various woodworking projects. This manual serves as a comprehensive guide to help users understand the features, setup, operation, maintenance, and safety precautions related to the Dewalt 706 miter saw. Whether you are a professional carpenter or a DIY enthusiast, having a solid understanding of this tool can enhance your woodworking experience and ensure safety while working.

Product Overview

The Dewalt 706 miter saw is renowned for its durability and precision. It features a powerful motor, a robust cutting system, and advanced technology that makes it suitable for a variety of cutting tasks.

Key Features

- **Powerful Motor:** The Dewalt 706 is equipped with a high-torque motor that delivers consistent power for cutting through various materials, including hardwood and softwood.
- **Precision Cuts:** The saw is designed with an accurate miter and bevel system, ensuring precise cuts at various angles.
- **Lightweight Design:** Despite its robust features, the saw is relatively lightweight, making it easy to transport and maneuver.
- **Laser Guide System:** Many models include a laser guide that helps you align your cuts more accurately.
- **Adjustable Table:** The miter saw features an adjustable table for increased cutting capacity.

Unpacking and Assembly

When you first receive your Dewalt 706 miter saw, it's essential to unpack it carefully and follow the assembly instructions for optimal performance.

Unboxing the Miter Saw

1. Carefully open the packaging.
2. Remove the saw from the box and place it on a flat, stable surface.
3. Check for any damage that may have occurred during shipping.
4. Ensure that all parts and accessories are included.

Assembly Instructions

- Attach the saw to a stable workbench or a compatible stand.
- Securely fasten the base to prevent any movement during operation.
- Install any additional components, such as the dust bag or laser guide, according to the instructions provided in the manual.

Operating the Dewalt 706 Miter Saw

Understanding how to operate the Dewalt 706 miter saw correctly is crucial for achieving precise cuts and maintaining safety.

Starting the Saw

1. Ensure that the saw is plugged into a power source.
2. Check that the blade guard is functioning properly.
3. Press the power switch to start the saw.

Making Cuts

- Cross Cuts: Position the material against the fence and adjust the miter angle as necessary.
- Bevel Cuts: Tilt the saw head to the desired angle and secure it before making the cut.
- Compound Cuts: Adjust both the miter and bevel angles for more complex cuts.

Using the Miter Scale

- The miter scale allows you to adjust the angle of the saw head.
- Use the positive stops for quick adjustments to common angles (0°, 15°, 22.5°, 30°, 45°).

Maintenance and Care

Regular maintenance is crucial for the longevity and performance of your Dewalt 706 miter saw.

Cleaning the Saw

- After each use, remove sawdust and debris from the saw and its components.
- Use a soft brush or compressed air to clean hard-to-reach areas.

Blade Maintenance

- Inspect the blade regularly for dullness or damage.
- Sharpen or replace the blade when necessary to ensure clean cuts.

Lubrication

- Apply lubricant to the moving parts as per the recommendations in the manual.
- Ensure that the pivot points and slide rails are adequately lubricated for smooth operation.

Safety Precautions

Safety should always be a top priority when using power tools, including the Dewalt 706 miter saw.

General Safety Guidelines

- Always wear safety glasses and hearing protection when operating the saw.
- Keep hands and fingers away from the cutting area.
- Do not wear loose clothing or jewelry that could get caught in the saw.
- Ensure that the work area is clean and free from clutter.

Electrical Safety

- Use the saw on a grounded outlet to prevent electric shocks.
- Avoid using the saw in wet or damp conditions.
- Inspect the power cord for any damage before use.

Workpiece Safety

- Secure the workpiece firmly against the fence before cutting.
- Use clamps if necessary to hold the material in place.
- Allow the blade to reach full speed before making contact with the workpiece.

Common Troubleshooting Tips

Even with proper maintenance, you may encounter issues while using your Dewalt 706 miter saw. Here are some common problems and their solutions:

Blade Won't Spin

- Check if the saw is plugged in and the power switch is on.
- Inspect the blade for binding or obstructions.
- Ensure the blade is installed correctly.

Inconsistent Cuts

- Ensure that the blade is sharp and appropriate for the material being cut.
- Check the alignment and calibration of the miter and bevel settings.
- Secure the workpiece properly against the fence.

Excessive Vibration

- Inspect the saw for loose parts or components.
- Ensure that the saw is placed on a stable surface.
- Check that the blade is properly installed and balanced.

Conclusion

The Dewalt 706 miter saw is a versatile and reliable tool that can significantly improve your woodworking projects. By following the guidelines outlined in this manual, you can ensure proper use, maintenance, and safety while operating this powerful tool. Always remember to prioritize safety and take your time to familiarize yourself with the features and functions of the saw. With practice and care, the Dewalt 706 miter saw will become an invaluable asset in your workshop.

Frequently Asked Questions

Where can I find the Dewalt 706 miter saw manual?

You can find the Dewalt 706 miter saw manual on the official Dewalt website under the 'Support' or 'Manuals' section. Additionally, you may find it on home improvement retailer websites or by searching for PDF versions online.

What are the key features of the Dewalt 706 miter saw?

The Dewalt 706 miter saw features a powerful motor, precision miter and bevel settings, a durable construction, and an ergonomic design for easy handling. It typically includes an adjustable laser guide for accurate cuts.

How do I adjust the bevel on the Dewalt 706 miter saw?

To adjust the bevel on the Dewalt 706 miter saw, locate the bevel adjustment lever, unlock it, and then tilt the saw arm to the desired angle. Lock the lever back into place to secure the adjustment.

What safety precautions should I take while using the Dewalt 706 miter saw?

Always wear appropriate safety gear such as goggles and hearing protection. Ensure the work area is clear of obstacles, keep hands away from the blade, and ensure the saw is on a stable surface before operation.

Can the Dewalt 706 miter saw be used for cutting different materials?

Yes, the Dewalt 706 miter saw is versatile and can cut various materials including wood, composite materials, and certain types of plastics. Always refer to the manual for material compatibility and blade recommendations.

What is the warranty period for the Dewalt 706 miter saw?

The Dewalt 706 miter saw typically comes with a three-year limited warranty, one-year free service, and a 90-day money-back guarantee. Check the specific model details or the manual for exact warranty information.

How do I maintain the Dewalt 706 miter saw for optimal performance?

Regular maintenance includes cleaning the saw after each use, checking and replacing the blade as needed, lubricating moving parts, and ensuring all screws and bolts are tight. Refer to the manual for detailed maintenance instructions.

What type of blade is recommended for the Dewalt 706 miter saw?

The recommended blade type for the Dewalt 706 miter saw is typically a carbide-tipped blade designed for miter saws. The specific size and tooth count may vary based on the material you are cutting, so consult the manual for recommendations.

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