

Ferrex xyz566

Ferrex 40V Cordless Circular Saw User Manual

Model: xyz566

1. IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions when using this power tool to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating the tool.

- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Wear Hearing Protection:** Use ear protection during extended operation.
- **Wear Respiratory Protection:** Wear a dust mask when cutting materials that produce dust.
- **Keep Work Area Clean:** Cluttered areas invite accidents.
- **Avoid Dangerous Environments:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
- **Keep Children Away:** All visitors should be kept a safe distance from the work area.
- **Secure Workpiece:** Use clamps or a vise to hold the workpiece. It is safer than using your hand and frees both hands to operate the tool.
- **Do Not Overreach:** Keep proper footing and balance at all times.
- **Disconnect Tools:** Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.
- **Avoid Accidental Starting:** Ensure the switch is in the off position before inserting the battery pack.
- **Use the Right Tool:** Do not force small tool or attachment to do the job of a heavy-duty tool.
- **Maintain Tools With Care:** Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Check for Damaged Parts:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- **Use Only Ferrex 40V Batteries:** This tool is designed for use with Ferrex 40V battery packs.

2. PRODUCT OVERVIEW

The Ferrex 40V Cordless Circular Saw is designed for efficient cutting of various materials, primarily wood. It features a powerful motor, a laser guide for precision, and an adjustable base for versatile cutting angles and depths.



Figure 1: Ferrex 40V Cordless Circular Saw, highlighting the blade, laser guide, and main handle.

Key Features:

- **Blade:** 190 mm diameter, 24 TCT (Tungsten Carbide Tipped) teeth.
- **Speed:** 0-4000 revolutions per minute (RPM).
- **Cutting Depth:** Maximum 65 mm.
- **Bevel Adjustment:** 0-48 degrees.
- **Laser Guide:** Integrated for enhanced cutting accuracy.
- **LED Light:** Illuminates the cutting area.
- **Additional Handle:** For improved grip and control.

Package Contents:

- 1 x Ferrex 40V Cordless Circular Saw
- 1 x 190mm TCT Saw Blade (24 teeth)
- 1 x Depth Gauge
- 1 x Hex Key

Important Note: The 40V battery pack and charger are NOT included with this product and must be purchased separately.



Figure 2: The circular saw is depicted here, emphasizing that the 20/40V battery and charger are sold separately and are not included with the tool.

3. SETUP AND ASSEMBLY

3.1 Installing the Saw Blade:

1. Ensure the battery pack is removed from the saw.
2. Press the spindle lock button to secure the blade shaft.
3. Using the provided hex key, loosen the blade retaining screw by turning it counter-clockwise.
4. Remove the outer flange and the old blade (if applicable).
5. Place the new 190mm TCT blade onto the spindle, ensuring the teeth are pointing in the direction of rotation indicated by the arrow on the saw's guard.
6. Replace the outer flange and tighten the blade retaining screw securely by turning it clockwise. Do not overtighten.
7. Release the spindle lock button.

3.2 Inserting the Battery Pack:

1. Align the battery pack with the battery port on the saw handle.
2. Slide the battery pack into the port until it clicks securely into place.
3. To remove, press the battery release button and slide the battery pack out.

3.3 Adjusting Cutting Depth:

1. Loosen the depth adjustment lever.
2. Raise or lower the base plate to achieve the desired cutting depth. The blade should extend approximately 3-6mm below the workpiece.
3. Tighten the depth adjustment lever firmly.

3.4 Adjusting Bevel Angle:

1. Loosen the bevel adjustment knob/lever.
2. Tilt the base plate to the desired angle between 0 and 48 degrees.
3. Tighten the bevel adjustment knob/lever securely.

4. OPERATING INSTRUCTIONS

4.1 Starting and Stopping the Saw:

- **To Start:** Press the safety lock-off button (if present) and then squeeze the trigger switch.
- **To Stop:** Release the trigger switch. The blade will coast to a stop.

4.2 Using the Laser Guide:

The integrated laser guide projects a line onto the workpiece, assisting in maintaining a straight cut. Activate the laser by pressing its dedicated button (if available) or it may activate automatically with the saw.

4.3 General Cutting Tips:

- Always ensure the workpiece is securely clamped.
- Allow the blade to reach full speed before beginning a cut.
- Maintain a firm grip on both handles of the saw.
- Guide the saw smoothly and steadily through the material. Do not force the saw.
- Avoid cutting nails or other foreign objects embedded in the material.
- When finishing a cut, support the off-cut piece to prevent pinching the blade.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool. Always disconnect the battery pack before performing any maintenance.

- **Cleaning:** Keep the tool's ventilation openings clean and free from dust. Use a soft brush or compressed air to remove debris. Do not use water or chemical cleaners.
- **Blade Care:** Regularly inspect the saw blade for sharpness and damage. A dull or damaged blade can cause kickback and poor cuts. Replace worn blades promptly.
- **Guard Mechanism:** Ensure the lower blade guard operates freely and retracts smoothly. Keep it clean from sawdust and debris.
- **Fasteners:** Periodically check all screws and fasteners for tightness.
- **Storage:** Store the tool in a dry, secure place out of reach of children. Remove the battery pack before storage.

6. TROUBLESHOOTING

If you encounter issues with your Ferrex 40V Cordless Circular Saw, refer to the following common

problems and solutions:

Problem	Possible Cause	Solution
Saw does not start.	Battery not charged or improperly inserted. Safety lock-off not engaged.	Ensure battery is fully charged and correctly inserted. Press safety lock-off button before squeezing trigger.
Blade binds or cuts slowly.	Dull or damaged blade. Incorrect cutting depth. Workpiece pinching blade.	Replace blade. Adjust cutting depth. Ensure workpiece is properly supported and clamped to prevent pinching.
Excessive vibration or noise.	Loose blade. Damaged blade.	Check blade retaining screw for tightness. Inspect blade for damage and replace if necessary.
Laser guide not working.	Laser lens dirty. Laser malfunction.	Clean laser lens with a soft cloth. If still not working, contact customer support.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	xyz566
Power Source	40V Battery (not included)
Blade Diameter	190 mm
Blade Bore	20 mm
Number of Teeth	24 TCT
No-Load Speed	0 - 4000 RPM
Max. Cutting Depth	65 mm
Bevel Capacity	0 - 48 degrees
Weight (Tool Only)	Approximately 3.69 kg
Special Features	Integrated Laser Guide, LED Work Light, Additional Handle

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the retailer where the product was acquired. Keep your proof of purchase for any warranty claims.

Manufacturer: Ferrex

ASIN: B0DBR1BPRQ

