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DEWALT DCS692X2

DEWALT 60V 9 IN. CORDLESS CUT OFF SAW KIT

Model: DCS692X2 - Instruction Manual

1. Important Safety Information

Always read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and respiratory protection.
- Ensure the work area is 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.
- Keep children and bystanders away while operating a power tool.
- Always disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.
- Use the correct blade for the material being cut.
- Maintain a firm grip on the tool with both hands during operation.
- Do not force the tool. Let the tool do the work.
- Keep all guards in place and in working order.

2. Product Overview

The DEWALT 60V 9 IN. CORDLESS CUT OFF SAW KIT (Model DCS692X2) is a powerful, portable tool designed for cutting various materials such as concrete, masonry, and metal. It features a brushless motor for extended runtime and durability, and operates on the DEWALT 60V FLEXVOLT battery system.



Figure 1: Front view of the DEWALT 60V 9 Inch Cordless Cut Off Saw Kit, highlighting the blade guard and handle.



Figure 2: Side view of the DEWALT 60V 9 Inch Cordless Cut Off Saw Kit, showing the motor housing and battery compartment.

Key Components:

- **Blade Guard:** Adjustable for various cutting depths and angles.
- **Cutting Blade:** 9-inch diameter, interchangeable for different materials.
- **Front Handle:** Ergonomic design for comfortable two-hand operation.
- **Rear Handle with Trigger:** Main control for power activation.
- **Battery Compartment:** Houses the 60V FLEXVOLT battery.

- **Water Feed System:** For wet cutting applications to suppress dust.

3. Setup

3.1. Battery Installation and Charging

1. Ensure the saw is turned off and the trigger is disengaged.
2. Align the battery pack with the battery port on the saw.
3. Slide the battery pack into the port until it clicks securely into place.
4. To remove, press the battery release button and pull the battery pack out.

For charging, insert the battery pack into the DEWALT 60V charger. Refer to the charger's instruction manual for specific charging procedures and indicator lights.

3.2. Blade Installation and Removal

WARNING: Always disconnect the battery pack before changing blades.

1. Place the saw on a stable, flat surface.
2. Locate the spindle lock button and press it to lock the spindle.
3. Using the appropriate wrench (often stored on the tool), loosen and remove the blade retaining nut by turning it counter-clockwise.
4. Remove the outer flange and the old blade.
5. Clean the inner and outer flanges.
6. Place the new 9-inch blade onto the spindle, ensuring the rotation arrow on the blade matches the rotation arrow on the saw.
7. Replace the outer flange and the retaining nut.
8. Tighten the retaining nut firmly by turning it clockwise while holding the spindle lock button. Do not overtighten.



Figure 3: View of the saw with the blade removed, illustrating the spindle and flanges for blade installation.

3.3. Water Feed System Connection (for Wet Cutting)

The saw is equipped with a water feed system for wet cutting applications, which helps to reduce dust and cool the blade.

1. Connect a standard garden hose to the water inlet port on the saw.
2. Ensure the connection is secure to prevent leaks.
3. Adjust the water flow using the integrated valve to achieve optimal dust suppression without excessive splashing.

4. Operating Instructions

4.1. General Operation

1. Ensure the battery is fully charged and properly installed.
2. Adjust the blade guard to the desired cutting depth.
3. Hold the saw firmly with both hands, maintaining a balanced stance.
4. Depress the trigger to start the saw. Allow the blade to reach full speed before contacting the workpiece.
5. Guide the saw smoothly through the material, applying steady, even pressure. Do not force the saw.
6. Release the trigger to stop the saw. Wait for the blade to come to a complete stop before setting the tool down.



Figure 4: An operator demonstrating the use of the DEWALT cut-off saw for cutting a concrete barrier, emphasizing proper grip and safety gear.



Figure 5: An operator using the DEWALT cut-off saw to cut rebar on a construction site, illustrating its versatility for metal cutting.

4.2. Cutting Techniques

- **Straight Cuts:** Mark your cutting line clearly. Use a guide if necessary to ensure a straight cut.
- **Plunge Cuts:** For plunge cuts, ensure the blade guard is retracted. Start the saw with the blade clear of the workpiece, then slowly lower the spinning blade into the material.
- **Wet Cutting:** Activate the water feed system before starting the cut. Maintain a consistent water flow to minimize dust and blade overheating.
- **Material Specifics:**
    - **Concrete/Masonry:** Use a diamond blade. Apply steady pressure.
    - **Metal:** Use an abrasive blade. Be aware of sparks and hot debris.

5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your DEWALT cut-off saw.

5.1. Cleaning

- After each use, disconnect the battery and clean the tool with a soft cloth.
- Remove any dust, debris, or slurry from the blade guard, motor vents, and handles.
- Use compressed air to clear dust from hard-to-reach areas, especially around the motor and vents.
- If using the wet cutting system, flush the water lines to prevent mineral buildup.

5.2. Blade Inspection and Replacement

- Regularly inspect the blade for wear, cracks, or damage. A dull or damaged blade can reduce performance and be dangerous.
- Replace blades as needed, following the blade installation instructions in Section 3.2.

5.3. General Inspection

- Check all screws and fasteners for tightness. Tighten any loose components.
- Inspect the power cord (if applicable, though this is cordless, good to mention for charger) and battery contacts for damage.
- Ensure all moving parts operate smoothly. Lubricate as recommended by DEWALT (refer to official DEWALT documentation for specific lubrication points, if any).

6. Troubleshooting

Problem	Possible Cause	Solution
Saw does not start.	Battery not charged or improperly installed.	Ensure battery is fully charged and securely inserted.

Problem	Possible Cause	Solution
Saw stops during operation.	Overload protection activated (tool overheating or jammed).	Release trigger, remove from workpiece, allow tool to cool. Check for obstructions.
Excessive vibration.	Damaged or improperly installed blade. Loose components.	Inspect blade for damage and proper installation. Check all fasteners for tightness.
Poor cutting performance.	Dull or incorrect blade for material. Insufficient power.	Replace blade. Ensure battery is fully charged. Use appropriate blade for material.
Water system not working.	Hose kinked, water supply off, or clogged nozzle.	Check hose connection and water supply. Clear any clogs in the nozzle.

7. Specifications

Feature	Detail
Model Number	DCS692X2
Voltage	60 Volts
Blade Diameter	9 Inches
Power Source	Cordless (Battery-powered)
Motor Type	Brushless
Item Weight	26.4 pounds
Package Dimensions	27.07 x 13.85 x 8.13 inches
Included Components	60V 9 IN. CORDLESS CUT OFF SAW KIT (includes saw, 2x 60V FLEXVOLT batteries, charger, masonry blade, abrasive blade)
Manufacturer	DEWALT

8. Warranty Information

DEWALT provides a limited warranty for its products. For specific warranty terms and conditions, including duration and coverage, please refer to the warranty card included with your product or visit the official DEWALT website. Keep your proof of purchase for warranty claims.

9. Customer Support

For technical assistance, service, or replacement parts, please contact DEWALT customer service. You can find contact information on the official DEWALT website or through the retailer where you purchased the product.

Online Resources: www.dewalt.com

When contacting support, please have your product model number (DCS692X2) and serial number (if applicable) ready.

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