DEWALT 7770/3427

DEWALT 10-inch Radial Arm Saw

Model 7770/3427 - Owner's Instructions and Parts Manual

Introduction

This booklet is provided for your convenience in the use and care of your new DEWALT 10-inch Radial Arm Saw, Model 7770/3427, Type 3. These instructions include operation, usage, precautions, preventive maintenance, maintenance, and other pertinent data to assist you in assuring long life and dependable service from your saw.

This manual is a reproduction of the original instructions, maintenance, and parts manual. It contains essential information for maintaining and operating the saw, including proper alignment procedures and detailed diagrams.



Figure 1: Front cover of the DEWALT 10-inch Radial Arm Saw Instruction, Maintenance, and Parts Manual.

Safety Information

Always read and understand all safety warnings and instructions before operating the DEWALT Radial Arm Saw. Failure

to follow all instructions may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and dust mask.
- Ensure the work area is clean, well-lit, and free of obstructions.
- Keep children and bystanders away while operating the saw.
- Always disconnect power before making adjustments, changing accessories, or performing maintenance.
- Securely clamp workpieces to prevent movement during cutting operations.

Setup and Assembly

Proper setup is crucial for the safe and accurate operation of your radial arm saw. This section outlines the key steps for initial assembly and alignment.

Table and Arm Alignment

The manual provides detailed instructions on how to properly align the radial arm saw to the table. This includes:

1. Checking the squareness of the blade to the fence.
2. Adjusting the arm for parallel alignment with the table.
3. Ensuring proper blade depth settings.

Refer to the detailed diagrams within the full manual for visual guidance on these adjustments.

Operating Instructions

This section covers the fundamental procedures for operating your DEWALT Radial Arm Saw safely and effectively.

Basic Operation

- Powering on and off the saw.
- Making crosscuts and rip cuts.
- Adjusting for miter and bevel cuts.
- Proper workpiece handling and feeding techniques.

Always ensure the blade guard is in place and functioning correctly before starting any operation.

Maintenance

Regular maintenance is essential to ensure the longevity and optimal performance of your DEWALT Radial Arm Saw. This manual provides comprehensive guidance on preventive maintenance and routine care.

Routine Maintenance Tasks

- Cleaning the saw and work area after each use.
- Inspecting the blade for sharpness and damage.
- Lubricating moving parts as specified.
- Checking and tightening all fasteners.

The manual includes detailed instructions and diagrams for these procedures, ensuring you can perform them correctly.

Parts and Troubleshooting

This manual contains explosive view diagrams of all the parts, which are invaluable for identifying components and understanding the saw's construction. These diagrams, along with a wiring diagram, aid in troubleshooting and part replacement.

Common Issues and Solutions

While specific troubleshooting steps are detailed within the full manual, common issues often relate to alignment, blade condition, or electrical connections. The provided diagrams are crucial for diagnosing and resolving these problems.

- Refer to the parts diagrams for correct component identification.
- Consult the wiring diagram for electrical troubleshooting.
- Ensure all safety mechanisms are functioning before attempting repairs.

Specifications

Product Name	DEWALT 10-inch Radial Arm Saw
Model Number	7770/3427
Type	3
Bulletin Number	2878-1
Number of Pages	23 (for the original manual)
Publisher	Ozark Tool Manuals (reproduction)

For further assistance or detailed diagrams, please refer to the complete DEWALT 7770 10-inch Radial Arm Saw Owner's Instructions and Parts Manual.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Where can I find replacement parts for the DEWALT 7770/3427 Radial Arm Saw, specifically an overload protector (CEJ67DB) and an Aerovox 500141 capacitor?

The DEWALT 7770/3427 Radial Arm Saw is a vintage machine, and finding specific electrical components like the CEJ67DB overload protector and the Aerovox 500141 (typically a motor start capacitor) can be challenging through standard...

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