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› [CRAFTSMAN](#) /

› CRAFTSMAN 6" Belt & Disc Sander Model 113.22541 Owner's and Parts Manual

## CRAFTSMAN 113.22541

# CRAFTSMAN 6" Belt & Disc Sander

MODEL 113.22541

Owner's and Parts Manual

### Introduction

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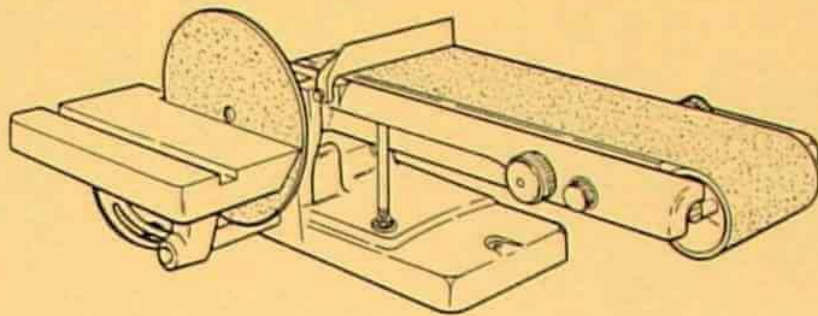
This manual provides comprehensive instructions for the safe operation, maintenance, and parts identification of the CRAFTSMAN 6-inch Belt and Disc Sander, Model 113.22541. Please read this manual thoroughly before operating the sander to ensure proper use and to prevent injury or damage to the equipment. Keep this manual accessible for future reference.

**ASSEMBLY, OPERATING INSTRUCTIONS  
AND PARTS LIST FOR  
CRAFTSMAN BELT AND DISC SANDER  
6-INCH**

**MODEL NUMBER 113.22541**

This is the model number of your sander. It will be found on the nameplate on the base. Always mention this model number when communicating with us regarding your Sander or when ordering parts.

Carefully read the instructions provided, observe the simple safety precautions and you will have many hours of satisfactory use from your new Craftsman tool.



**SEARS, ROEBUCK AND CO.-U. S. A.  
IN CANADA, SIMPSONS - SEARS LIMITED**

Part No. 68002

Figure 1: Cover of the CRAFTSMAN 6-inch Belt and Disc Sander Model 113.22541 Owner's and Parts Manual. This image displays the front cover of the instruction manual, featuring the product name and model number.

## Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when using power tools. This section outlines critical safety information specific to the CRAFTSMAN Belt and Disc Sander.

- **Read all instructions:** Familiarize yourself with the sander's controls and proper operation.
- **Wear eye protection:** Always wear safety goggles or a face shield.

- **Use respiratory protection:** Wear a dust mask, especially when sanding wood or other materials that produce fine dust.
- **Secure workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during sanding.
- **Keep guards in place:** Never operate the sander without all guards properly installed.
- **Disconnect power:** Always disconnect the sander from the power source before making adjustments, changing belts/discs, or performing maintenance.
- **Maintain a clean work area:** Cluttered areas invite accidents.
- **Avoid accidental starting:** Ensure the switch is in the OFF position before plugging in the tool.

## Setup and Installation

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Proper setup is crucial for safe and efficient operation. This section details the steps for assembling and installing your CRAFTSMAN Belt and Disc Sander.

1. **Unpacking:** Carefully remove all components from the packaging. Verify all parts are present against the packing list.
2. **Assembly:** Follow the provided diagrams for attaching the work tables, miter gauge, and dust collection port. Ensure all fasteners are securely tightened.
3. **Mounting:** Securely mount the sander to a sturdy workbench using appropriate bolts and washers. Ensure the workbench can support the weight and vibrations of the sander during operation.
4. **Electrical Connection:** Connect the sander to a grounded electrical outlet. Verify the voltage and amperage requirements match your power supply.
5. **Initial Adjustments:** Check belt tracking and disc table squareness. Adjust as necessary according to the "Operating Instructions" section.

## Operating Instructions

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This section covers the general operation of the CRAFTSMAN 6" Belt and Disc Sander, including specific procedures for belt and disc sanding, and making necessary adjustments.

### General Operation

- **Power On/Off:** Locate the power switch. Ensure the sander is stable and the workpiece is ready before turning it on.
- **Dust Collection:** Connect a dust collection system to the provided port for a cleaner work environment and to prolong abrasive life.

### Belt Sanding

The belt sander is suitable for shaping, smoothing, and removing material from various workpieces.

- **Workpiece Placement:** Position the workpiece firmly against the work table and the sanding belt.
- **Sanding Technique:** Apply light, even pressure. Move the workpiece smoothly across the belt to prevent gouging and ensure uniform sanding.
- **Belt Tracking Adjustment:** If the belt drifts, use the tracking knob to center it on the rollers. Refer to the detailed instructions in the manual for precise adjustment.

### Disc Sanding

The disc sander is ideal for end grain sanding, shaping curves, and precise angle work using the miter gauge.

- **Workpiece Placement:** Always sand on the downward-rotating side of the disc (left side) to prevent the workpiece from being thrown.
- **Using the Miter Gauge:** Insert the miter gauge into the table slot to sand angles accurately. Adjust the angle as needed.
- **Table Angle Adjustment:** The disc sander table can be tilted for bevel sanding. Loosen the locking knob, set the desired angle, and retighten.

## Maintenance

Regular maintenance ensures the longevity and optimal performance of your CRAFTSMAN sander. Always disconnect power before performing any maintenance.

- **Cleaning:** Regularly clean dust and debris from the motor vents, belt, and disc areas using compressed air or a brush.
- **Lubrication:** Periodically lubricate moving parts as indicated in the detailed lubrication schedule within the original manual.
- **Belt Replacement:** To replace the sanding belt, release the tension lever, slide off the old belt, and install a new one, ensuring it is centered before re-tensioning.
- **Disc Replacement:** To replace the sanding disc, carefully peel off the old disc. Clean the disc plate thoroughly before applying a new adhesive-backed sanding disc.
- **Inspection:** Periodically inspect the power cord, switch, and all moving parts for wear or damage. Replace worn parts immediately.

## Troubleshooting

This section provides solutions to common operational issues you might encounter with your CRAFTSMAN Belt and Disc Sander.

Problem	Possible Cause	Solution
Sander does not start	No power, faulty switch, tripped circuit breaker	Check power cord, outlet, circuit breaker. Inspect switch for damage.
Belt runs off track	Improper belt tracking adjustment	Adjust the belt tracking knob until the belt runs centered.
Poor sanding performance	Worn abrasive, excessive pressure, incorrect grit	Replace sanding belt/disc. Use appropriate grit for the task. Apply lighter pressure.
Excessive vibration	Loose mounting bolts, unbalanced disc/belt, worn bearings	Check and tighten mounting bolts. Inspect belt/disc for damage. Consult a qualified technician for bearing issues.

For issues not covered here, refer to the complete troubleshooting chart in the original manual or contact CRAFTSMAN customer support.

## Parts List and Exploded View

This manual includes a comprehensive exploded view diagram of all components of the CRAFTSMAN 6" Belt

& Disc Sander Model 113.22541. Each part is clearly numbered and corresponds to a detailed parts list, allowing for easy identification and ordering of replacement parts.

When ordering parts, always specify the model number (113.22541) and the part number from the list to ensure you receive the correct component.

## Specifications

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The following are general specifications for the CRAFTSMAN 6" Belt & Disc Sander Model 113.22541. Refer to the original manual for precise details, which may vary slightly.

- **Model Number:** 113.22541
- **Belt Size:** Typically 4 x 36 inches (100 x 914 mm)
- **Disc Diameter:** 6 inches (152 mm)
- **Motor:** Induction motor (specific horsepower/amps may vary by production run)
- **Voltage:** 120V AC, 60 Hz
- **No-Load Speed:** (Approximate) Belt: 1700 FPM (Feet Per Minute), Disc: 3450 RPM (Revolutions Per Minute)
- **Table Tilt:** 0-45 degrees

## Warranty and Support

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For information regarding the original manufacturer's warranty for your CRAFTSMAN 6" Belt & Disc Sander Model 113.22541, please refer to the documentation provided at the time of purchase or contact CRAFTSMAN customer service directly. This manual is a reproduction of the original owner's and parts manual and does not provide warranty coverage itself.

For technical support or to inquire about replacement parts, please contact CRAFTSMAN customer support or visit their official website. When contacting support, have your model number (113.22541) and serial number (if applicable) ready.

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