

CRAFTSMAN 113.244400, 113.244420

CRAFTSMAN 113.244400 & 113.244420 10" Band Saw Sander Instruction Manual

POWER TOOL WARRANTY

For detailed information regarding the power tool warranty, please refer to the original documentation included with your CRAFTSMAN 113.244400 or 113.244420 Band Saw Sander.

GENERAL SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. This section outlines critical safety guidelines to prevent injury and damage. For comprehensive general safety instructions applicable to all power tools, and specific safety instructions for the band saw, consult the full manual.

Additional Safety Instructions for Band Saw

Specific safety precautions are necessary when operating a band saw. These include proper blade handling, material feeding techniques, and maintaining a clear work area. Refer to the original manual for a complete list of band saw specific safety instructions.

MOTOR SPECIFICATIONS AND ELECTRICAL REQUIREMENTS

This power tool is equipped with a 3-conductor cord and a grounding-type plug, approved by Underwriters' Laboratories and the Canadian Standards Association. The ground conductor, identified by a green jacket, is connected to the tool housing and to the ground prong of the attachment plug.

The tool requires a mating 3-conductor grounded type outlet. If the available outlet is a two-prong type, **do not remove or alter the grounding prong**. Use an adapter as illustrated below, ensuring the grounding lug is always connected to a known ground. It is recommended to have a qualified electrician replace two-prong outlets with properly grounded three-prong outlets.

An adapter as illustrated is available for connecting plugs to 2-prong receptacles. The green grounding lug extending from the adapter must be connected to a permanent ground, such as a properly grounded outlet box. **Note:** This adapter is for use only with properly grounded 2-prong receptacles and is not permitted in Canada by the Canadian Electrical Code.

Using an extension cord can result in power loss. To minimize this and prevent overheating or motor burn-out, use the appropriate wire size (A.W.G.) extension cord as specified in the table below. Only use 3-wire extension cords with 3-prong grounding type plugs and 3-pole receptacles that accept the tool's plug.

Sears

***owners
manual***

**MODEL NO.
113.244400**

SAW ONLY

**MODEL NO.
113.244420**

SAW WITH LEGS



CRAFTSMAN

***10-INCH MOTORIZED
BAND SAW***

- ***assembly***
- ***operating***
- ***repair parts***

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Part No. 69131

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The image illustrates the correct method for connecting the tool's 3-prong plug to a 2-prong wall receptacle using an adapter. It shows the 2-prong receptacle, the 3-prong adapter, and the grounding lug which must be connected to a known ground for safety.

Extension Cord Wire Size Chart

Extension Cord Length	Wire Size A.W.G.
Up to 100 Ft.	16

Extension Cord Length	Wire Size A.W.G.
100 - 200 Ft.	14
200 - 400 Ft.	10

UNPACKING AND CHECKING CONTENTS

Upon receiving your CRAFTSMAN Band Saw Sander, carefully unpack all components and verify that all parts listed in the original manual are present and undamaged. Report any missing or damaged items immediately.

ASSEMBLY

This section provides an overview of the assembly process. For detailed, step-by-step instructions and diagrams, please refer to the complete assembly section in the original manual.

- **Assembling Steel Legs:** Instructions for attaching the steel legs to form a stable base.
- **Mounting Band Saw on Leg Set:** Guidance on securely fastening the band saw unit to its leg stand.
- **Mounting Band Saw to Workbench:** Steps for mounting the band saw directly to a workbench, if preferred.
- **Installing the Table:** Details on how to correctly install and secure the work table.
- **Installing the Blade:** Procedures for safely installing the band saw blade.
- **Tracking the Blade:** Instructions for adjusting the blade tracking to ensure proper operation and prevent blade damage.
- **Adjusting the Table Square to Blade:** Steps to ensure the work table is perfectly square to the blade for accurate cuts.
- **Adjusting Guide Bar:** How to adjust the guide bar for optimal blade support.
- **Adjusting Front to Back Squareness:** Procedures for fine-tuning the table's squareness in the front-to-back direction.
- **Adjusting Side to Side Squareness:** Procedures for fine-tuning the table's squareness in the side-to-side direction.
- **Adjusting Upper Blade Guide Assembly:** Steps for setting up the upper blade guide assembly.
- **Adjusting Upper Blade Guides:** How to adjust the upper blade guides for proper blade support.
- **Adjusting Upper Thrust Roller:** Instructions for adjusting the upper thrust roller.
- **Adjusting Lower Blade Guide Assembly:** Steps for setting up the lower blade guide assembly.
- **Adjusting Lower Blade Guides:** How to adjust the lower blade guides for proper blade support.
- **Adjusting Lower Thrust Roller:** Instructions for adjusting the lower thrust roller.
- **Adjusting Table:** General instructions for table adjustments.

OPERATION

This section covers the operational aspects of your band saw sander. For detailed instructions on each function, refer to the original manual.

Getting to Know Your Band Saw

- **Tension Adjustment Knob:** Understand the function and use of the blade tension adjustment knob.
- **Tension Setting:** Learn how to properly set the blade tension for different blade types and materials.
- **Guide Bar Lock Screw:** How to secure the guide bar in position.
- **Thrust Roller Adjustment:** Instructions for adjusting the thrust roller to support the blade.

- **Table Lock Knob:** How to lock the work table in place.
- **Tilt Scale:** Understanding and using the table tilt scale for angled cuts.
- **Blade Guides:** Proper adjustment and function of the blade guides.
- **On-Off Switch:** Location and safe operation of the power switch.

Basic Band Saw Operation

- **Sawing:** Fundamental techniques for cutting various materials with the band saw.
- **Blade Selection Guide:** Guidance on choosing the correct blade type and size for specific tasks and materials.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your CRAFTSMAN Band Saw Sander. Refer to the original manual for a complete maintenance schedule and procedures.

Lubrication

Proper lubrication of moving parts is crucial. This section details the lubrication points and recommended lubricants. Consult the manual for specific instructions.

RECOMMENDED ACCESSORIES

Enhance the functionality and versatility of your band saw sander with recommended accessories. A list of compatible and useful accessories can be found in the original manual.

TROUBLESHOOTING

This section provides guidance on identifying and resolving common operational issues. For a comprehensive troubleshooting guide, including potential causes and solutions, refer to the original manual.

REPAIR PARTS

For information on replacement parts and exploded view diagrams, consult the repair parts section of the original CRAFTSMAN manual. This section typically includes part numbers and ordering information.