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› Central Machinery 14" Oscillating Spindle Sander Instruction Manual

Central Machinery 74890882-d6a8-45fb-a56f-001b44d471cc

Central Machinery 14" Oscillating Spindle Sander Instruction Manual

Model: 14" Oscillating Spindle Sander

1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your Central Machinery 14" Oscillating Spindle Sander. Please read and understand all instructions before operating the tool to ensure personal safety and optimal performance.

1.1 Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away from the operating area.
- Do not operate the sander in damp or wet conditions.
- Disconnect power before making adjustments, changing accessories, or performing maintenance.
- Use the correct sanding sleeve for the material and task.
- Secure the workpiece firmly before sanding.

1.2 Intended Use

The Central Machinery 14" Oscillating Spindle Sander is designed for precision sanding of curved, contoured, and irregular shapes in wood and wood-like materials. It is suitable for hobbyists and professionals for finishing edges and internal curves.

1.3 Package Contents

Verify that all items are present upon unpacking:

- Oscillating Spindle Sander Unit
- (6) Table Inserts

- (4) Drum Washers
- (6) Sanding Sleeves (various grits/sizes)
- (5) Rubber Sanding Spindles (various sizes)
- Instruction Manual

2. SETUP AND ASSEMBLY

Carefully unpack all components and inspect for any shipping damage. If any parts are damaged or missing, do not operate the tool and contact customer support.



Figure 1: Central Machinery 14" Oscillating Spindle Sander. This image shows the main unit with a sanding drum and sleeve attached, ready for operation. The circular cast iron table is visible, along with the power switch and storage for additional spindles on the side.

2.1 Mounting the Sander

For stability and safety, it is recommended to mount the sander to a workbench using appropriate fasteners (not included). Ensure the workbench is sturdy and level.

2.2 Installing a Sanding Spindle and Sleeve

1. Ensure the sander is unplugged from the power source.
2. Select the desired rubber sanding spindle and corresponding sanding sleeve.
3. Slide the sanding sleeve onto the rubber spindle. Ensure it fits snugly.
4. Insert the spindle into the spindle shaft opening on the table.
5. Secure the spindle with the provided drum washer and retaining nut, if applicable, ensuring it is firmly seated.
6. Choose the correct table insert that matches the diameter of the installed spindle and place it around the spindle on the table.

2.3 Connecting Dust Collection

Connect a dust collection system to the dust port located on the rear of the sander. This will help maintain a clean work environment and improve sanding efficiency.

3. OPERATION

3.1 Power Connection

Connect the sander to a standard 120V AC electrical outlet. Ensure the power switch is in the "OFF" position before plugging in the tool.

3.2 Adjusting the Table Angle

The cast iron table can be tilted for bevel sanding. Loosen the table locking knob, adjust the table to the desired angle, and then securely tighten the knob.

3.3 Sanding Techniques

- Turn on the dust collection system before starting the sander.
- Turn on the sander using the power switch. Allow the spindle to reach full speed before contacting the workpiece.
- Hold the workpiece firmly against the table and gently guide it into the sanding sleeve.
- Apply light, even pressure. Avoid forcing the workpiece against the spindle, as this can cause burning, reduce sanding efficiency, and shorten sleeve life.
- Move the workpiece slowly and consistently to achieve a smooth, even finish.
- For internal curves, rotate the workpiece around the spindle.

- After sanding, turn off the sander and then the dust collection system.

4. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your sander. Always disconnect the power before performing any maintenance.

4.1 Cleaning

- After each use, clear dust and debris from the table, spindle, and dust port using a brush or compressed air.
- Wipe down external surfaces with a clean, damp cloth. Do not use solvents.

4.2 Sanding Sleeve Replacement

Replace sanding sleeves when they become worn, torn, or clogged. Follow the spindle installation steps in reverse to remove the old sleeve and install a new one.

4.3 General Inspection

Periodically inspect the power cord for damage, ensure all fasteners are tight, and check for any unusual noises or vibrations during operation.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sander does not start	No power; Power switch off; Faulty cord/plug	Check power outlet and circuit breaker; Ensure switch is ON; Inspect cord for damage, replace if necessary.
Poor sanding finish	Worn sanding sleeve; Incorrect grit; Excessive pressure	Replace sleeve; Use appropriate grit for the task; Reduce pressure.
Excessive vibration	Loose spindle/sleeve; Unbalanced workpiece; Sander not securely mounted	Ensure spindle and sleeve are properly installed and tightened; Secure workpiece; Mount sander firmly to workbench.
Motor overheating	Overloading the motor; Insufficient ventilation	Reduce sanding pressure; Allow motor to cool; Ensure ventilation slots are clear.

6. SPECIFICATIONS

Feature	Detail
Brand	Central Machinery
Model Number	74890882-d6a8-45fb-a56f-001b44d471cc
Power Source	Electric Corded
Voltage	120 Volts (AC)
Amperage Capacity	5 Amps
Oscillations Per Minute	58
Oscillation Stroke	5/8"
Table Material	Heavy duty cast iron
UPC	792363692571

7. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact Central Machinery customer service. Refer to your purchase documentation for specific warranty terms and contact details.

It is recommended to keep your purchase receipt as proof of purchase for warranty claims.

