RYOBI #S652DGK

Ryobi S652DGK Corded 2 Amp 1/4 Inch 14,000 OBM Squared Orbital Finishing Sheet Sander User Manual

Model: #S652DGK | Brand: RYOBI

Introduction

Thank you for choosing the Ryobi S652DGK Corded 2 Amp 1/4 Inch 14,000 OBM Squared Orbital Finishing Sheet Sander. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new tool. Please read it thoroughly before use and keep it for future reference.
The RYOBI 1/4-Sheet Pad Sander features a 2-Amp ball-bearing motor and 14,000 orbits per minute for a powerful and fast performance that can stand up to a wide variety of sanding applications. The GRIPZONE™ over-mold provides comfort during use, and the dust collection bag helps your work area stay clean as you work. Transporting the sander is made easy with its compact size and included carrying case.

Important Safety Instructions

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

- **Read All Instructions:** Familiarize yourself with the tool's operation and safety guidelines before use.
- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields when operating the sander.
- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to a stable surface. Holding the workpiece by hand or against your body may result in loss of control and personal injury.
- **Unplug Before Adjustments:** Disconnect the sander from the power source before making any adjustments, changing accessories, or storing the tool.
- **Keep Work Area Clean:** Cluttered areas and benches invite injuries. Ensure your work area is well-lit.
- **Avoid Accidental Starting:** Ensure the switch is in the OFF position before plugging in the tool.
- **Use Proper Extension Cords:** If an extension cord is used, ensure it is in good condition and of adequate gauge for the tool's amperage.
- **Do Not Overreach:** Keep proper footing and balance at all times.

- **Maintain Tools With Care:** Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Check for Damaged Parts:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.

Product Overview

The Ryobi S652DGK sander is designed for efficient finishing and material removal. Key features include:

- **Ergonomic Grip:** With notched rubber overmold for comfortable and secure handling.
- **Dust Bag:** Helps maintain a clean work environment by collecting sanding dust.
- **Hole Puncher:** Included to prepare standard sandpaper sheets for optimal dust collection.
- **Sanding Pads:** Comes with 4 sanding pads to get you started immediately.
- **Contractor's Bag:** For organized storage and transport of the tool and accessories.



Figure 1: Front-right view of the Ryobi S652DGK sander, showing the main body, grip, and attached dust collection bag.



Figure 2: Front-left view of the Ryobi S652DGK sander, emphasizing the ergonomic GRIPZONE™ overmold for user comfort.

Setup

Attaching Sandpaper

1. Ensure the sander is unplugged from the power source.
2. If using standard sandpaper sheets, use the included hole puncher to create holes that align with the sander's dust collection holes on the sanding pad. This ensures efficient dust extraction.
3. Lift the paper clamps on both the front and rear of the sanding pad.
4. Insert one end of the sandpaper sheet under the front clamp and secure it.
5. Pull the sandpaper taut over the sanding pad, ensuring it is flat and aligned.
6. Insert the other end of the sandpaper sheet under the rear clamp and secure it firmly.
7. Ensure the sandpaper is securely fastened and does not wrinkle or slip.

Attaching the Dust Bag

1. Locate the dust collection port at the rear of the sander.
2. Align the opening of the dust collection bag with the port.
3. Push the dust bag firmly onto the port until it clicks or is securely seated. Ensure a tight fit to prevent dust leakage.

Operating Instructions

Before Starting

- Ensure the workpiece is clean, dry, and securely clamped.
- Verify that the correct grit sandpaper is installed for your application.
- Confirm the dust bag is properly attached and empty.
- Wear appropriate personal protective equipment, including eye protection and a dust mask.

Sanding Procedure

1. Plug the sander into a 110-volt power outlet.
2. Hold the sander firmly with both hands, ensuring a comfortable and secure grip on the GRIPZONE™ overmold.
3. Place the sanding pad flat on the workpiece before turning the tool on.
4. Press the power switch to turn the sander ON.
5. Apply light, even pressure and move the sander slowly and smoothly across the surface. For best results, sand with the grain of the wood.
6. Avoid pressing down too hard, as this can reduce sanding efficiency, damage the sandpaper, and potentially harm the motor.
7. Lift the sander off the workpiece before turning the tool OFF.
8. Regularly check the sandpaper for wear and replace it when it becomes dull or clogged.



Figure 3: Demonstrating the Ryobi S652DGK sander in use on a wooden surface, highlighting proper handling and application.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your sander.

- **Cleaning the Dust Bag:** Empty the dust bag frequently, especially when sanding fine dust. To empty, detach the bag and shake out the contents. For thorough cleaning, the bag can be washed with mild soap and water, then allowed to air dry completely before reattaching.
- **Cleaning the Sander:** Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners. Periodically blow out any dust from the motor vents using compressed air.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified service technician.
- **Sanding Pad Inspection:** Check the sanding pad for wear, tears, or damage. A worn pad can affect sanding performance and may need replacement.
- **Storage:** Store the sander in a clean, dry place, out of reach of children. Utilize the included contractor's bag for organized storage.

Troubleshooting

Problem	Possible Cause	Solution
Sander not turning on.	No power to outlet; Power cord damaged; Switch faulty.	Check power outlet with another device. Inspect power cord for damage. If cord is damaged or switch is faulty, seek professional repair.
Poor sanding performance / Uneven finish.	Worn or clogged sandpaper; Incorrect sandpaper grit; Excessive pressure applied.	Replace sandpaper. Use appropriate grit for the task. Apply light, even pressure.
Excessive vibration.	Damaged sanding pad; Loose sandpaper; Internal issue.	Inspect sanding pad for damage and replace if necessary. Ensure sandpaper is securely clamped. If problem persists, contact customer service.
Dust not collecting effectively.	Dust bag full or improperly attached; Sandpaper holes not aligned; Clogged dust port.	Empty and reattach dust bag securely. Ensure sandpaper holes align with pad holes. Clear any blockages from the dust port.

Specifications

Brand	RYOBI
Model Number	#S652DGK
Power Source	Corded Electric

Voltage	110 Volts
AC Adapter Current	2 Amps
Maximum Rotational Speed	14,000 OBM (Orbits Per Minute)
Sanding Pad Size	1/4 Inch Sheet
Item Weight	3.1 Pounds
Product Dimensions	12.9 x 5.4 x 6.9 inches
Included Components	S652DG Sander, 4 Sanding Pads, Hole Puncher, Contractor's Bag

Warranty and Support

For warranty information, technical support, or service inquiries regarding your Ryobi S652DGK sander, please refer to the warranty card included with your purchase or visit the official RYOBI website. You may also contact RYOBI customer service directly for assistance.

RYOBI Customer Service: Please refer to your product documentation or the official RYOBI website for the most current contact information.

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