RIDGID R2740

RIDGID R2740 Heavy Duty Variable Speed Belt Sander User Manual

Model: R2740

Introduction

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your RIDGID R2740 Heavy Duty Variable Speed Belt Sander. Please read this manual thoroughly before using the tool to ensure proper and safe usage.

Important Safety Information

WARNING: Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always wear eye protection when operating power tools. Ensure the work area is clean and well-lit. Keep children and bystanders away while operating a power tool. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.



Figure 1: Corded Product Information. This sander is a corded electric tool requiring 120V AC power.

Product Overview

The RIDGID R2740 is a 3-inch x 18-inch heavy-duty variable speed belt sander designed for efficient material removal. Key features include a 6.5 Amp motor, twin fan high-efficiency dust collection, soft grip handles, automatic belt tracking, and flush sanding capability.



Figure 2: RIDGID R2740 Belt Sander. An angled view of the sander, highlighting its ergonomic design and belt mechanism.





Figure 3: Top View of Sander Controls. This image displays the top of the sander, including the main grip and variable speed control dial.

Setup

1. Unpacking

Carefully remove the sander and all accessories from the packaging. Inspect for any damage that may have occurred during shipping. Retain packaging for future storage or transport.

2. Installing or Changing the Sanding Belt

1. Ensure the sander is unplugged from the power source.
2. Locate the tool-free belt release lever on the side of the sander.
3. Press the belt release lever to loosen the tension on the sanding belt.
4. Slide the old belt off the rollers.
5. Place the new 3 in. x 18 in. sanding belt onto the rollers, ensuring the directional arrow on the belt matches the arrow on the sander.
6. Release the belt tension lever to secure the new belt. The automatic belt tracking system will adjust the belt to the center of the platen during operation.

3. Dust Bag Attachment

Attach the included dust bag to the dust collection port on the sander. Ensure it is securely fastened to maximize dust pickup efficiency.



Figure 4: Dust Bag Attached. This image shows the dust bag properly connected to the sander's dust collection port.

Operating Instructions

1. Powering On and Off

- Plug the sander into a 120V AC power outlet. The lighted plug indicates power is connected.
- To start the sander, depress the trigger switch.
- To stop the sander, release the trigger switch.

2. Variable Speed Control

The variable speed dial allows you to match the belt speed to the desired material removal rate. Rotate the dial to increase or decrease the speed (400 - 950 SFPM no-load speed). The electronic feedback system helps maintain motor speed under load for consistent results.

3. Sanding Techniques

- **General Sanding:** Apply even pressure and move the sander smoothly across the workpiece in the direction of the wood grain. Avoid dwelling in one spot to prevent gouging.
- **Flush Sanding:** The design of the R2740 allows for flush sanding against vertical surfaces, making it suitable for edges and corners.
- **Automatic Belt Tracking:** The sander automatically adjusts the belt to the center of the platen, reducing the need for manual adjustments during operation.

Maintenance

1. Dust Collection System

The sander features a twin fan high-efficiency dust collection system. Regularly empty the dust bag to maintain optimal dust pickup performance. The dust bag is easily removable for cleaning.



Figure 5: Dust Collection System. This view highlights the dust bag and the 'AIRGUARD Technology' branding, indicating the advanced dust collection feature.

2. Accessible Brushes

The motor brushes are accessible and can be serviced quickly. Refer to a qualified service technician for brush replacement to ensure minimum downtime and proper tool function.

3. General Cleaning

Keep the tool clean and free of dust and debris. Use a soft cloth to wipe down the exterior. Do not use solvents or harsh chemicals.

Troubleshooting

Problem	Possible Cause	Solution
Sander does not start	No power to tool; faulty switch; worn motor brushes.	Check power connection and outlet. Ensure lighted plug is illuminated. If not, check power source. If power is present, contact customer support for switch or brush inspection.
Reduced sanding efficiency	Worn sanding belt; clogged dust bag; incorrect speed setting.	Replace sanding belt. Empty and clean dust bag. Adjust variable speed dial to a higher setting if needed.
Belt tracking issues	Improper belt installation; damaged belt.	Ensure belt is installed correctly with directional arrow. Replace damaged belt. The automatic tracking system should correct minor misalignments.
Excessive vibration or noise	Damaged belt; loose components; internal issue.	Inspect and replace damaged belt. Check for any loose external parts. If problem persists, discontinue use and contact customer support.

Specifications

- **Model:** R2740
- **Input:** 120 V AC, 6.5 Amps
- **Belt Size:** 3 in. x 18 in.
- **Belt Speed (No Load):** 400 - 950 SFPM (Surface Feet Per Minute)
- **Item Weight:** 5.8 lbs (Tool Weight), 8.22 lbs (Shipping Weight)
- **Product Dimensions:** 15 x 6 x 7 inches

- **Grit Type (Included):** Medium (80-Grit)
- **Material:** Metal/Plastic
- **Manufacturer Part Number:** 28533
- **UPC:** 095691285331, 648846051802

Warranty and Support

Warranty Information

The RIDGID R2740 Belt Sander comes with a 90-Day satisfaction guarantee policy and a Limited 3-year warranty.
Important Note: The Ridgid Lifetime Service Agreement (LSA) is NOT available on any purchases made on Amazon. Factory Warranties will only be honored if this product is purchased through an Authorized Seller. Please verify seller authorization before purchase.



Figure 6: Lifetime Service Agreement Disclaimer. This image serves as a visual reminder that the Lifetime Service Agreement is not applicable for purchases made outside of authorized channels, such as Amazon.

Customer Support

For technical assistance, warranty claims, or service inquiries, please contact RIDGID customer support. Refer to the official RIDGID website or product packaging for the most current contact information.

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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.

Name

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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