Hitachi SB 10 V2

Hitachi SB10V2 Belt Sander User Manual

Model: SB 10 V2

1. General Safety Instructions

Always observe basic safety precautions when using electric power tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating this tool.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use dust masks, non-skid safety shoes, hard hats, or hearing protection for appropriate conditions. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Store idle power tools out of the reach of children.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

2. Product Overview

The Hitachi SB10V2 is a robust belt sander designed for efficient material removal and surface finishing. It features a powerful motor and variable speed control for versatile applications.



Figure 2.1: Front view of the Hitachi SB10V2 Belt Sander, showing the main body, handles, and attached dust collection bag.



Figure 2.2: Underside view of the Hitachi SB10V2 Belt Sander, highlighting the sanding belt and roller mechanism.



Figure 2.3: The Hitachi SB10V2 Belt Sander in use, demonstrating its ergonomic design and ability to sand flush with edges.

3. Setup

3.1 Unpacking

Carefully remove the belt sander and all accessories from the packaging. Inspect the tool for any damage that may have occurred during shipping. Do not use the tool if it appears damaged.

3.2 Attaching the Dust Bag

1. Locate the dust collection port on the side of the sander.
2. Slide the opening of the dust bag onto the dust collection port until it is securely seated. Ensure a tight fit to maximize dust collection efficiency.

3.3 Installing/Changing the Sanding Belt

1. **Disconnect the tool from the power supply.**
2. Locate the belt tension release lever, typically on the side of the sander.
3. Push or pull the lever to release the tension on the sanding belt.
4. Carefully slide the old sanding belt off the rollers.
5. Place the new sanding belt onto the rollers, ensuring the arrow on the inside of the belt matches the direction of rotation indicated on the sander.
6. Return the tension release lever to its original position to secure the new belt.
7. Manually rotate the belt a few times to ensure it is properly aligned. If necessary, use the belt tracking adjustment knob (if present) to center the belt on the rollers.

4. Operating Instructions

4.1 Powering On/Off

- To turn the sander ON, press the power switch.
- To turn the sander OFF, release or press the power switch again, depending on the switch type (trigger or toggle).

4.2 Adjusting Speed

The Hitachi SB10V2 features variable speed control, allowing you to adjust the belt speed between 240 and 420 meters per minute. Use the speed dial or control to select the appropriate speed for your material and application. Lower speeds are suitable for fine finishing, while higher speeds are for rapid material removal.

4.3 Sanding Techniques

- **General Sanding:** Hold the sander firmly with both hands. Place the sander flat on the workpiece before turning it on. Move the sander smoothly and evenly across the surface, following the grain of the wood. Avoid applying excessive pressure, as this can lead to uneven sanding and premature belt wear.
- **Sanding Flush with Corners:** The design of the SB10V2 allows for sanding close to edges and corners. Carefully guide the side of the sanding belt along the edge of the workpiece.
- **Dust Collection:** Ensure the dust bag is properly attached and emptied regularly to maintain effective dust collection and prevent clogging.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Hitachi SB10V2 Belt Sander.

- **Cleaning:** After each use, disconnect the sander from the power supply and clean off any dust and debris from the tool, especially around the motor vents and belt area. Use a soft brush or compressed air.
- **Dust Bag:** Empty the dust bag frequently. Wash the dust bag periodically if it becomes heavily soiled, ensuring it is completely dry before reattaching.
- **Belt and Rollers:** Periodically inspect the sanding belt for wear and tear. Check the rollers for any buildup of debris

or damage. Clean as necessary.

- **Power Cord:** Inspect the power cord for any cuts, fraying, or damage. If damaged, have it replaced by a qualified service technician.
- **Storage:** Store the tool in a dry, secure place out of reach of children and away from direct sunlight or extreme temperatures.

6. Troubleshooting

Problem	Possible Cause	Solution
Sander does not start	No power supply; Faulty switch; Damaged cord	Check power outlet and cord; Contact service center if switch or cord is damaged.
Poor sanding performance	Worn sanding belt; Incorrect belt grit; Excessive pressure	Replace sanding belt; Use appropriate grit for the task; Apply even, light pressure.
Sanding belt slips or comes off	Belt not tensioned correctly; Belt tracking out of adjustment; Incorrect belt size	Ensure belt is properly tensioned; Adjust belt tracking; Use correct belt size (100 x 610 mm).
Excessive vibration	Damaged belt; Loose components; Internal issue	Replace damaged belt; Check for loose screws; If problem persists, contact service.
Ineffective dust collection	Dust bag full; Dust port clogged; Dust bag not properly attached	Empty dust bag; Clear dust port; Re-attach dust bag securely.

7. Specifications

Model	Hitachi SB10V2
Power Input	1,020 W
Belt Size	100 x 610 mm
Belt Speed (Variable)	240 - 420 m/min
Voltage	240 V
Weight	5.2 kg
Dimensions (L x W x H)	37 x 18.5 x 18 cm
Included Accessories	Abrasive belt, Dust bag

8. Warranty and Support

This Hitachi product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Hitachi power tools website.

For technical support, spare parts, or service inquiries, please contact your local authorized Hitachi service center or the retailer from whom you purchased the product. Ensure you have your product model number (SB10V2) and serial number (if applicable) ready when contacting support.

You can find contact information for Hitachi service centers on their official website:www.hikoki-powertools.com (Note: Hitachi Power Tools are now branded as HiKOKI in many regions).

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