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RYOBI EHT150V

Ryobi EHT150V 150W Corded Rotary Tool User Manual

Model: EHT150V

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INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Ryobi EHT150V 150W Corded Rotary Tool. This versatile tool is designed for various applications including sanding, cutting, polishing, engraving, and cleaning on materials such as tiles, wood, metal, and plastic. Please read this manual thoroughly before operating the tool and retain it for future reference.



Figure 1: Ryobi EHT150V 150W Corded Rotary Tool with its main body and power cord.

SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this information accessible for all users.

General Safety Rules:

- **Work Area Safety:** Keep the 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. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **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.
- **Livetool Indicator:** The Livetool Indicator illuminates when the tool is connected to a power source, indicating live voltage. This feature enhances safety by providing a visual warning.

SETUP

1. Unpacking and Inspecting Contents:

Carefully remove all items from the packaging. Verify that all components listed below are present and undamaged. If any parts are missing or damaged, contact customer support.

- Ryobi EHT150V Rotary Tool
- Carrying Case
- 115 Accessories (various sanding bands, cutting discs, polishing wheels, grinding stones, drill bits, collets, wrenches)
- Flexible Shaft Attachment
- Telescopic Hanger



Figure 2: The Ryobi EHT150V rotary tool, its carrying case, and the included 115 accessories.

2. Attaching Accessories:

1. Ensure the tool is unplugged from the power source.
2. Press and hold the spindle lock button located near the collet nut.
3. Unscrew the collet nut using the provided wrench or by hand.
4. Insert the desired accessory shank into the collet. Ensure the accessory is fully seated.
5. Tighten the collet nut securely while holding the spindle lock button. Do not overtighten.



Figure 3: Proper method for inserting an accessory into the tool's collet.



Figure 4: Detailed view of the tool's head, showing the collet and spindle lock for accessory changes.

3. Using the Flexible Shaft and Telescopic Hanger:

For detailed work or when extended reach is required, the flexible shaft can be attached. The telescopic hanger allows the main tool body to be suspended, reducing fatigue during prolonged use with the flexible shaft.

1. Unscrew the collet nut and remove the collet from the main tool.
2. Screw the flexible shaft coupling onto the tool's spindle.
3. Insert the flexible shaft's inner drive cable into the tool's spindle.
4. Attach the desired accessory to the flexible shaft's handpiece using the same method as for the main tool.
5. Mount the telescopic hanger to a workbench or suitable surface.
6. Hang the main tool body from the telescopic hanger's hook.



Figure 5: The rotary tool set up with the flexible shaft for precision work and the telescopic hanger for support.

OPERATION

1. Powering On/Off and Speed Control:

Plug the tool into a standard 230V electrical outlet. The Livetool Indicator will illuminate, signifying the tool is connected to power. To turn the tool on, slide the ON/OFF switch to the 'ON' position. To turn it off, slide the switch to the 'OFF' position.

The Ryobi EHT150V features variable speed control, allowing adjustment from 10,000 to 35,000 RPM. Rotate the speed dial to select the appropriate speed for your application and material. Lower speeds are suitable for polishing and delicate work, while higher speeds are ideal for cutting and grinding.



Figure 6: The power switch and variable speed control dial on the tool's body.

2. General Usage Guidelines:

- Always hold the tool firmly with both hands if possible, or use the flexible shaft for better control in intricate tasks.
- Apply light, consistent pressure. Excessive force can damage the accessory, the workpiece, or the tool itself.
- Allow the tool to reach full speed before contacting the workpiece.
- Move the tool smoothly and continuously across the surface for even results.
- For cutting applications, ensure the workpiece is securely clamped.

3. Application Examples:



Figure 7: Using the rotary tool for cutting applications, such as creating openings in drywall.



Figure 8: The tool performing a cutting operation on a metal pipe, demonstrating its versatility.



Figure 9: An example of the tool being used for sanding or polishing intricate wooden details.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool. Always disconnect the tool from the power supply before performing any maintenance.

1. Cleaning:

- Keep the ventilation openings clear to prevent overheating.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Remove any dust or debris from the collet and spindle area after each use.

2. Accessory Care:

- Inspect accessories before each use for wear or damage. Replace worn or damaged accessories immediately.
- Store accessories in their designated compartments within the carrying case to prevent damage and loss.

3. Flexible Shaft Maintenance:

- Periodically lubricate the flexible shaft's inner cable according to the manufacturer's recommendations to ensure smooth operation and prevent wear.
- Avoid sharp bends in the flexible shaft during use and storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply; ON/OFF switch in 'OFF' position.	Check power connection; ensure switch is in 'ON' position. Verify Livetool Indicator is illuminated.
Excessive vibration during operation.	Accessory not properly seated or damaged; collet nut loose; incorrect accessory for task.	Ensure accessory is fully inserted and collet nut is tightened. Replace damaged accessories. Use appropriate accessory for the material. Reduce speed if using flexible shaft.
Tool overheats.	Ventilation openings blocked; excessive load; prolonged use.	Clear ventilation openings. Reduce pressure on the tool. Allow the tool to cool down periodically during extended use.
Reduced performance.	Worn accessory; incorrect speed setting.	Replace worn accessories. Adjust speed to match the application and material.

SPECIFICATIONS

Brand:	RYOBI
Model:	EHT150V
Power:	150W
Voltage:	230 Volts
Speed:	Variable, 10,000 - 35,000 RPM
Power Source:	Corded Electric
Product Dimensions:	38.1 x 11.8 x 28 cm
Item Weight:	600 grams
Special Features:	Compact, Variable Speed, Livetool Indicator
Recommended Uses:	Polishing, Sanding, Deburring, Grinding, Cutting

WARRANTY & SUPPORT

For warranty information, product support, or to purchase replacement parts, please refer to the warranty card included with your product or visit the official Ryobi website. Keep your proof of purchase for warranty claims. You can find more information and contact details on the [Ryobi Brand Store](#).