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BLACK+DECKER BES301-QS

BLACK+DECKER 750W Variable Speed Reciprocating Saw

Model: BES301-QS

INTRODUCTION

Thank you for choosing the BLACK+DECKER 750W Variable Speed Reciprocating Saw, Model BES301-QS. This powerful and versatile tool is designed for efficient cutting in various materials, including wood, metal, and plastic. Its features, such as the variable speed motor, adjustable shoe depth, and tool-free blade change, ensure precision and ease of use. Please read this manual carefully before operating the saw to ensure safe and optimal performance.



Image: The BLACK+DECKER 750W Variable Speed Reciprocating Saw, Model BES301-QS.

SAFETY INFORMATION

Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves. Ensure the tool is unplugged before making any adjustments or changing accessories. Keep children and bystanders away while operating a power tool.

PRODUCT OVERVIEW

The BLACK+DECKER BES301-QS reciprocating saw is engineered for performance and control. Key components include the powerful 750W motor, variable speed trigger, tool-free blade clamp, adjustable shoe, and a removable branch support for enhanced stability during cutting tasks.

Key Features:

- **750W Motor:** Provides ample power for various cutting applications.
- **Variable Speed (0-2800 strokes/min):** Allows for precise control over different materials.
- **Tool-Free Blade Change:** Enables quick and easy blade replacement.

- **Adjustable Shoe Depth:** For accurate cutting depth control.
- **Removable Branch Support:** Enhances stability and reduces vibration, especially when cutting branches.



Image: Side view of the BLACK+DECKER reciprocating saw, highlighting its ergonomic design.



Image: Back view of the BLACK+DECKER reciprocating saw, showing the handle and power cord connection.

SETUP

1. Attaching/Removing the Blade

1. Ensure the saw is unplugged from the power source.
2. Locate the tool-free blade clamp mechanism at the front of the saw.
3. To insert a blade, pull the blade clamp lever outwards and fully insert the blade into the clamp opening until it clicks into place. Release the lever. Gently pull on the blade to ensure it is securely locked.
4. To remove a blade, pull the blade clamp lever outwards and pull the blade straight out.



Image: Hands demonstrating the insertion of a saw blade into the tool-free blade clamp.



Image: Hands demonstrating the removal of a saw blade from the tool-free blade clamp.

2. Attaching/Removing the Removable Branch Support

1. Ensure the saw is unplugged from the power source.
2. Align the branch support with the slots on the front of the saw.
3. Slide the branch support onto the saw until it locks securely into place.
4. To remove, press the release buttons or levers (if present) and slide the support off.



Image: Hands demonstrating the attachment of the removable branch support to the saw.



Image: Hands demonstrating the removal of the removable branch support from the saw.

Video: Blade and Branch Support Installation

Your browser does not support the video tag.

Video: This video demonstrates the correct procedure for installing and removing both the saw blade and the removable branch support on the BLACK+DECKER reciprocating saw.

OPERATING INSTRUCTIONS

1. General Operation

- Plug the saw into a suitable power outlet.
- Hold the saw firmly with both hands.
- Press the variable speed trigger to start the saw. The harder you press, the faster the blade will move.
- Allow the blade to reach full speed before engaging with the workpiece.
- Apply light pressure and let the saw do the work. Do not force the tool.

2. Cutting with Branch Support

When cutting branches or other unstable materials, attach the removable branch support. This accessory provides stability and reduces vibration, allowing for cleaner and more controlled cuts.



Image: A user demonstrating cutting a tree branch using the reciprocating saw with the branch support for stability.



Image: A close-up view of the saw in action, cutting a tree branch with the branch support engaged.

3. Cutting Various Materials

- **Wood:** Use a coarse-toothed blade for fast cuts. The adjustable shoe can be used to control depth.
- **Metal:** Use a fine-toothed metal cutting blade. Apply cutting oil to prolong blade life and improve cut quality.
- **Plastic:** Use a fine-toothed blade and a lower speed setting to prevent melting the plastic.



Image: A user cutting through a wooden pallet with the reciprocating saw.



Image: A user cutting a wooden structure with the reciprocating saw.



Image: A user cutting a metal pipe with the reciprocating saw.



Image: A user cutting a PVC pipe with the reciprocating saw.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your reciprocating saw.

- **Cleaning:** After each use, unplug the tool and clean the exterior with a damp cloth. Remove any sawdust or debris from the ventilation openings.
- **Blade Care:** Always use sharp, undamaged blades. Dull or bent blades can cause kickback and reduce

cutting efficiency. Replace blades as needed.

- **Storage:** Store the saw in a dry, secure place out of reach of children.

TROUBLESHOOTING

If you encounter issues with your saw, refer to the following common troubleshooting tips:

- **Saw not starting:** Check the power connection. Ensure the outlet is functional.
- **Excessive vibration:** Ensure the blade is correctly installed and not bent. Check if the branch support is securely attached if in use.
- **Poor cutting performance:** Replace dull or damaged blades. Ensure you are using the correct blade type for the material.

For more complex issues, contact BLACK+DECKER customer support.

SPECIFICATIONS

Feature	Specification
Model Number	BES301-QS
Power	750 Watts
Speed	Variable, 0-2800 strokes/min
Stroke Length	20 mm
Blade Material	Alloy Metal
Handle Material	Plastic
Power Source	Corded Electric
Voltage	10 Volts
Weight	2.86 Kilograms
Product Dimensions (L x W x H)	50.2 x 10.22 x 20.1 cm
Special Feature	Ergonomic, Tool-free blade change, Removable branch support
Included Components	Removable branch support, 2 blades

WARRANTY AND SUPPORT

BLACK+DECKER products are manufactured to high-quality standards and are guaranteed against manufacturing defects. For specific warranty details, please refer to the warranty card included with your product or visit the official BLACK+DECKER website. For technical support, spare parts, or service, please contact your local BLACK+DECKER service center or customer support line.