Bosch GST 120 E

Bosch GST 120 E Jigsaw Instruction Manual

Model: GST 120 E (Part No. 1914508)

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and care of your Bosch GST 120 E Jigsaw. Please read these instructions thoroughly before using the tool and keep them for future reference.



Image: The Bosch GST 120 E Jigsaw, a robust power tool designed for various cutting tasks. It features a blue and silver housing with a black handle and a visible saw blade.

Safety Instructions

Always observe general power tool safety warnings and instructions provided with the product. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.

- Wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure the workpiece is securely clamped before cutting.
- Keep hands away from the cutting area and the saw blade.
- Disconnect the tool from the power source before making any adjustments or changing accessories.
- Maintain a clean and well-lit work area.

Product Features

The Bosch GST 120 E Jigsaw is engineered for demanding applications, offering reliability and durability. Key features include:

- **Robust Design:** Built for extreme stress and long service life.
- **SDS Saw Blade Change:** World's easiest one-hand saw blade change system for maximum convenience.
- **Aluminum Gear Housing:** Professional pot construction and aluminum housing for extended durability.
- **Speed Pre-selection:** Allows for material-specific working speeds.
- **Smooth Operation:** Ensures precise cuts and reduces user fatigue.
- **Tool-free Base Plate Adjustment:** Base plate can be adjusted without tools (+/- 45° and 15 mm forward/backward).
- **Chip Blower:** Provides a clear view of the cutting line, can be deactivated for effective dust extraction.
- **4-Stage Pendulum Action:** For tear-free cuts in various materials.

Setup

1. Installing the Saw Blade

1. Ensure the jigsaw is unplugged from the power source.
2. Open the SDS quick-release lever.
3. Insert the saw blade into the blade holder until it clicks into place.
4. Close the SDS quick-release lever.
5. Verify the blade is securely fastened.

2. Adjusting the Base Plate

The base plate can be adjusted for angle cuts and for optimal blade support.

- **Angle Adjustment:** Loosen the base plate locking mechanism. Tilt the base plate to the desired angle (up to 45°). Secure the locking mechanism.
- **Forward/Backward Adjustment:** For specific cutting tasks or to compensate for blade wear, the base plate can be moved 15 mm forward or backward. Loosen the mechanism, slide the plate, and re-secure.

3. Dust Extraction

Attach a suitable dust extraction system to the dust port for a cleaner work environment. The integrated chip blower can be activated or deactivated depending on whether dust extraction is used.

Operating Instructions

1. Material Selection and Speed

The GST 120 E features speed pre-selection to match the cutting speed to the material:

- **Lower Speeds:** Suitable for harder materials like metal or plastics to prevent overheating and ensure controlled cuts.
- **Higher Speeds:** Ideal for softer materials such as wood for faster cutting.
- Refer to the speed dial on the tool and adjust according to the material being cut.

2. Pendulum Action Adjustment

The 4-stage pendulum action allows for different cutting characteristics:

- **Setting 0 (No Pendulum):** For fine, precise cuts and cutting metal.
- **Settings 1-3 (Increasing Pendulum):** For faster cutting in wood and other soft materials. Higher settings result in more aggressive cuts but may lead to rougher edges.

3. Cutting Procedure

1. Mark your cutting line on the workpiece.
2. Place the base plate flat on the workpiece.
3. Start the jigsaw before the blade touches the material.
4. Guide the tool along the cutting line with steady pressure. Do not force the tool.
5. Ensure the blade is clear of the workpiece before switching off the tool.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Bosch GST 120 E Jigsaw.

- **Cleaning:** Keep the ventilation slots and the tool housing clean. Use a soft, damp cloth. Do not use solvents.
- **Blade Holder:** Regularly clean the blade holder area to ensure smooth blade changes.
- **Cable and Carbon Brushes:** The design allows for easy replacement of the power cable and carbon brushes by qualified personnel. Inspect the power cable for damage regularly.
- **Base Plate:** Ensure the base plate is free from debris and moves smoothly for adjustments.

Troubleshooting

If you encounter issues with your jigsaw, refer to the following common problems and solutions:

- **Tool not starting:** Check power connection, ensure the switch is fully engaged.
- **Reduced cutting performance:** Replace dull or damaged saw blade. Ensure correct speed and pendulum setting for the material.
- **Excessive vibration:** Check if the saw blade is correctly installed and not bent. Ensure the workpiece is securely clamped.
- **Smoke or burning smell:** Immediately switch off the tool and disconnect from power. This may indicate motor overload or a faulty component. Seek professional service.

For problems not listed here or if solutions do not resolve the issue, contact an authorized Bosch service

center.

Specifications

Rated Power Input	650 W
No-load Stroke Rate	1,500 - 2,800 strokes/min
Weight (without cable)	2.6 kg
Cable Length	4 m
Stroke Height	26 mm
Cutting Depth in Wood	120 mm
Cutting Depth in Aluminum	20 mm
Cutting Depth in Unalloyed Steel	10 mm
Base Plate Angle Adjustment	+/- 45°
Power Source	Corded Electric *(Note: Product specifications indicate 650W power and a 4m cable, suggesting a corded electric tool, despite some source data potentially listing it as battery-powered.)*
Blade Material	Alloy Steel
Recommended Surface	Wood, Metal
Model Number	1914508
ASIN	B0007VHJ9M

Scope of Delivery

The Bosch GST 120 E Jigsaw package typically includes:

- Bosch GST 120 E Jigsaw
- Craftsman case (Part No. 2 605 438 559)
- 3 Saw Blades
- 1 Splinter Guard
- Gliding Shoe
- Dust Extraction Kit

Warranty and Support

For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official Bosch Professional website. For technical support, spare parts, or service, please contact your local authorized Bosch service center.
You can find more information and contact details on theBosch Professional Store.

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