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AEG BSB18SBL-202C

AEG 18V BRUSHLESS Sub-Compact Percussion Drill Instruction Manual

Model: BSB18SBL-202C

Brand: AEG

Introduction

This instruction manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your AEG 18V BRUSHLESS Sub-Compact Percussion Drill, model BSB18SBL-202C. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its performance and lifespan.

Safety Information

Always observe general power tool safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Keep all warnings and instructions for future reference.

- **Work Area Safety:** Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- **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 and/or remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with power tools for which they are not designed.

Components Included

Your AEG 18V BRUSHLESS Sub-Compact Percussion Drill package includes the following items:

- AEG 18V BRUSHLESS Sub-Compact Percussion Drill (BSB18SBL-202C)
- 2 x 2.0 Ah Lithium-ion Battery Packs

- Battery Charger
- 13 mm Metal Chuck
- Belt Clip (may be pre-attached or included for attachment)





Image: The AEG 18V BRUSHLESS Sub-Compact Percussion Drill, showing its compact design and the attached battery pack.

Setup

1. Battery Installation and Charging

Before first use, ensure the battery packs are fully charged. Insert the battery pack into the charger, aligning the grooves. The charger indicator light will show the charging status. Once fully charged, remove the battery from the charger.
To install the battery on the drill, slide the charged battery pack into the base of the drill handle until it clicks securely into place. To remove, press the release button on the battery pack and slide it out.



Image: Side view of the AEG 18V BRUSHLESS Sub-Compact Percussion Drill, highlighting the battery slot at the base of the handle.

2. Chuck Operation and Bit Installation

The drill features a 13 mm metal chuck for secure bit retention. To install a drill bit or screwdriver bit:

1. Rotate the chuck counter-clockwise until the jaws are wide enough to insert the bit.
2. Insert the bit fully into the chuck.
3. Rotate the chuck clockwise firmly to tighten the jaws around the bit. For best results, give the chuck a final hand-

tighten to ensure the bit is secure and centered.

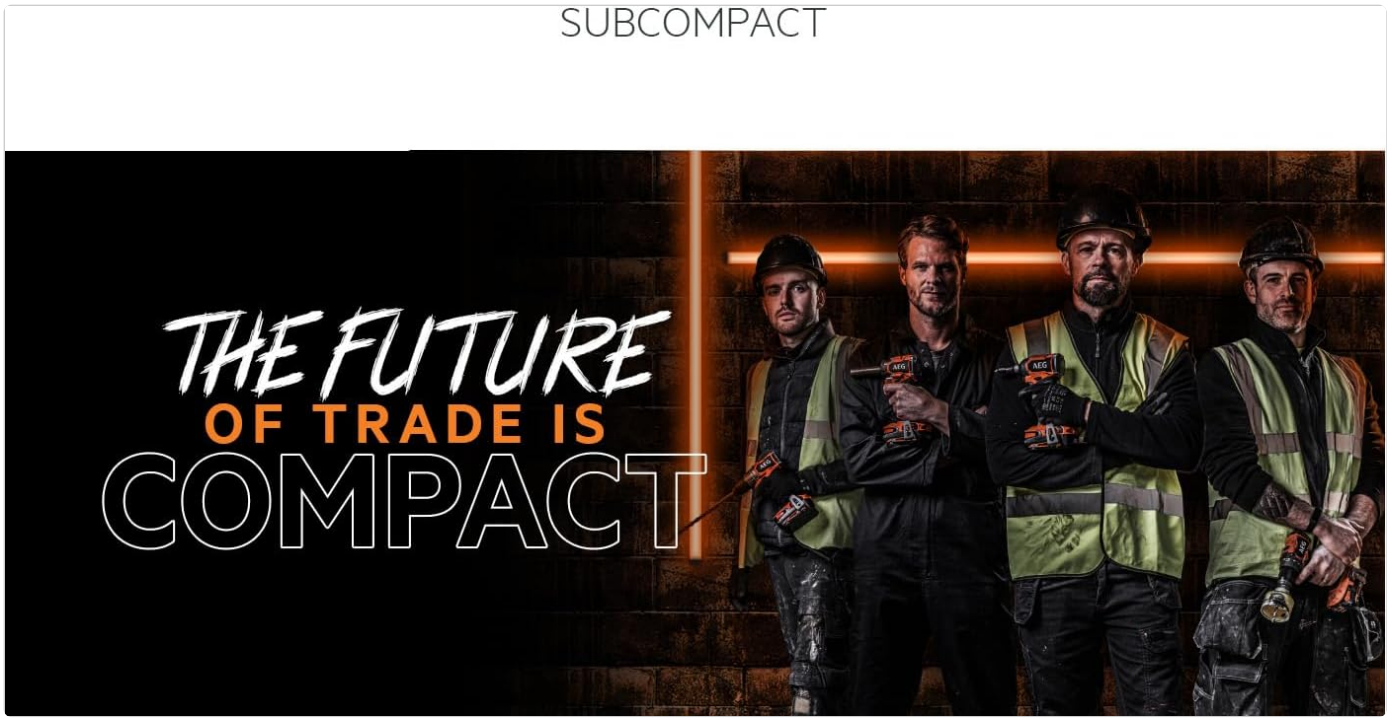


Image: Back view of the AEG 18V BRUSHLESS Sub-Compact Percussion Drill, showing the chuck and the main body of the tool.

Operating Instructions

1. Mode Selection (Drilling, Screwdriving, Hammer Drilling)

The drill offers multiple modes for various applications. Rotate the collar behind the chuck to select the desired mode:

- **Screwdriving Mode:** Indicated by a screw icon. Use for driving and removing screws. The torque clutch will disengage once the set torque is reached.
- **Drilling Mode:** Indicated by a drill bit icon. Use for drilling into wood, metal, and plastics. The clutch is bypassed in this mode for maximum power.
- **Hammer Drilling Mode:** Indicated by a hammer icon. Use for drilling into masonry and concrete. This mode engages the hammer mechanism for added impact.

2. Torque and Speed Settings

Adjust the torque setting by rotating the numbered ring behind the mode selector. Higher numbers indicate higher torque. For screwdriving, start with a lower setting and increase as needed to prevent over-tightening or stripping screws.
The drill features two speed gears, selected via a switch on top of the tool:

- **Gear 1 (Low Speed):** For high torque applications like driving large screws or drilling large holes.
- **Gear 2 (High Speed):** For faster drilling in smaller diameters or softer materials.

3. Trigger and Direction Control

The variable speed trigger allows for precise control over drilling speed. Press the trigger gently for slower speeds and increase pressure for higher speeds.
The forward/reverse switch, located above the trigger, controls the rotation direction. Push it left for forward (clockwise) rotation and right for reverse (counter-clockwise) rotation. Position it in the center to lock the trigger and prevent accidental startup.


AEG
AEG
PRO 2.0Ah

Image: A user demonstrating drilling into a wooden beam, showcasing the drill's application in carpentry.



Image: Another perspective of a user drilling into wood, emphasizing the ergonomic design and handling of the tool.

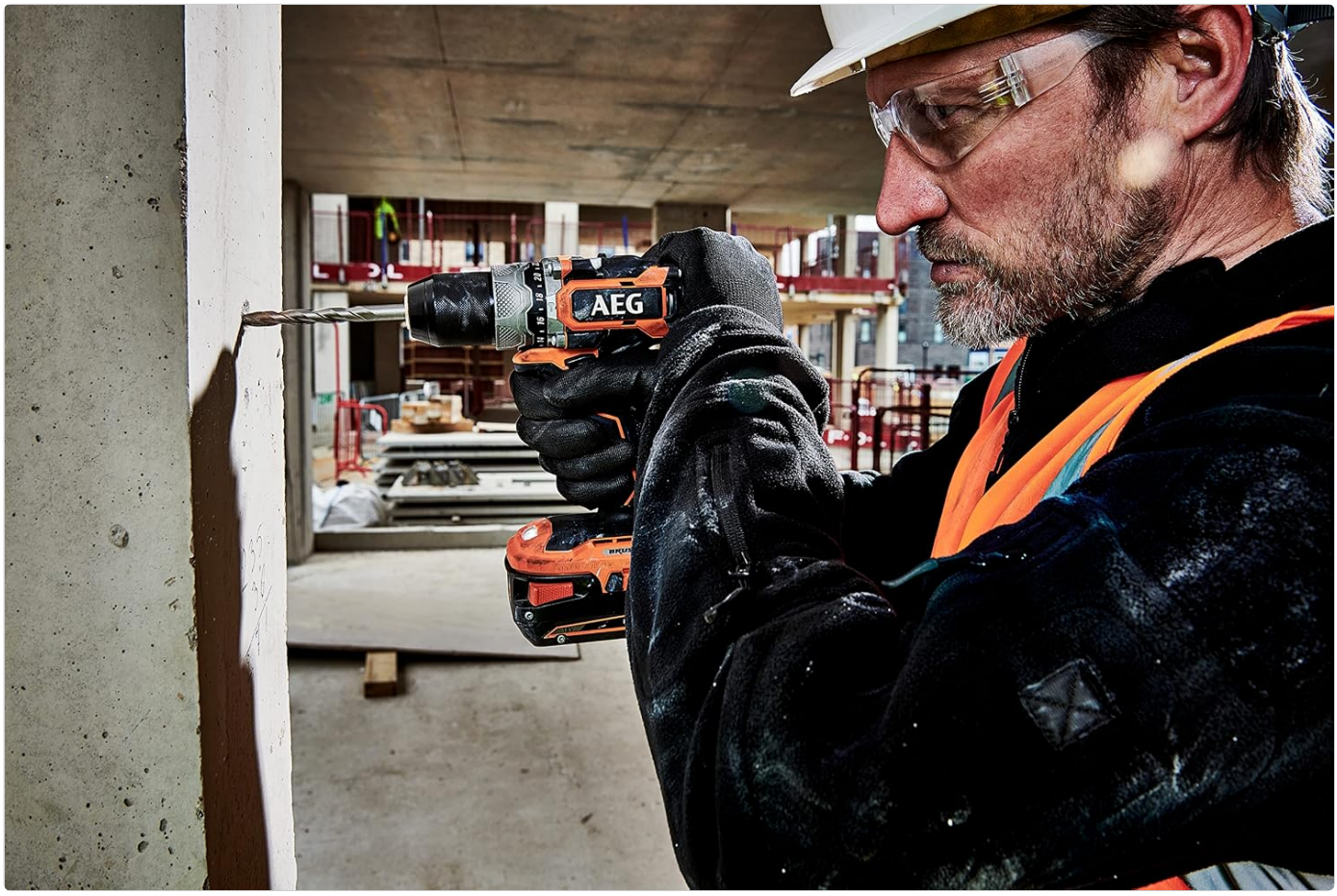


Image: A user demonstrating hammer drilling into a concrete surface, illustrating the tool's capability for masonry work.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your drill.

- **Cleaning:** After each use, clean the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep the ventilation openings clear of dust and debris.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Battery Care:** Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the drill and its accessories in a secure, dry place, out of reach of children.

Troubleshooting

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly inserted. Trigger lock engaged.	Ensure battery is fully charged and securely inserted. Disengage the trigger lock.
Loss of power during operation.	Battery charge is low. Overload protection activated.	Recharge the battery. Reduce pressure on the tool or use a larger drill bit for the application.
Bit slips in chuck.	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Re-tighten the chuck firmly. Clean or replace the bit.
Excessive vibration.	Bent or damaged drill bit. Improper bit installation.	Replace damaged bits. Ensure bit is properly seated and tightened in the chuck.

Specifications

Feature	Detail
Model Number	BSB18SBL-202C (Reference: 4935478455)
Voltage	18 Volts
Battery Type	Lithium-ion
Battery Capacity	2.0 Ah (x2 included)
Chuck Size	13 mm Metal Chuck
Maximum Torque	65 Newton-meters
No-Load Speed	Up to 1700 RPM
Motor Type	Brushless
Weight (with battery)	Approximately 4.5 Kilograms
Material	Metal

Warranty and Support

AEG power tools are designed for durability and performance. For warranty information, please refer to the warranty card included with your product or visit the official AEG website. Keep your purchase receipt as proof of purchase for any warranty claims.

For technical support, spare parts, or service, please contact your local authorized AEG service center or the retailer where you purchased the product. You can also visit the official AEG store on Amazon for more information: AEG Official Store.

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