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› Black+Decker BEH710 710W 1-Speed Impact Drill User Manual

BLACK+DECKER BEH710

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Model: BEH710

1. INTRODUCTION

Thank you for choosing the Black+Decker BEH710 710W 1-Speed Impact Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and keep it for future reference.

The BEH710 710W impact drill is equipped with an improved impact mechanism for increased power and speed in impact mode. Its ergonomic design, rubberized grip, and large trigger switch ensure comfortable and fatigue-free operation. The reversible carbon brushes provide consistent performance in both forward and reverse rotation, extending tool life and reducing sparking.



Figure 1: Black+Decker BEH710 710W 1-Speed Impact Drill. This image shows the overall design of the drill, highlighting its black and orange casing, the chuck, and the main handle.

2. GENERAL SAFETY INFORMATION

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

2.1 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. Power tools create sparks which may ignite the dust or fumes.

- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2 Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.

2.3 Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Wear appropriate personal protective equipment (PPE) such as dust masks, non-skid safety shoes, hard hats, or hearing protection for relevant tasks.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Do not overreach. Keep proper footing and balance at all times.
- Secure the workpiece. Use clamps or a vise to hold the workpiece.

3. PACKAGE CONTENTS

Verify that all items listed below are present and undamaged upon opening the package. If any parts are missing or damaged, contact your retailer immediately.

- 1x Black+Decker BEH710 Impact Drill
- 1x Auxiliary Handle
- 2x HSS Drill Bits (6mm, 8mm)
- 2x Masonry Drill Bits (6mm, 8mm)
- 1x Depth Stop
- 1x Instruction Manual

4. PRODUCT FEATURES AND COMPONENTS

Familiarize yourself with the various parts of your impact drill before operation.

- **Powerful 710W Motor:** Provides ample power for various drilling tasks, including impact drilling.
- **13mm Keyless Chuck:** Allows for quick and easy bit changes without the need for a chuck key.
- **Improved Impact Mechanism:** Delivers enhanced performance for drilling into masonry.
- **Variable Speed Control:** Enables precise speed adjustment for different materials and applications.
- **Reversible Carbon Brushes:** Ensures consistent power in both forward and reverse rotation, extending motor life.
- **Ergonomic Design with Rubberized Grip:** Offers comfort and reduced fatigue during prolonged use.
- **Large Trigger Switch:** Designed for easy operation and control.
- **Lock-on Button:** For continuous operation, reducing user fatigue during extended tasks.
- **Auxiliary Handle:** Provides additional control and stability, especially during high-torque applications.
- **Depth Stop:** For precise control over drilling depth.

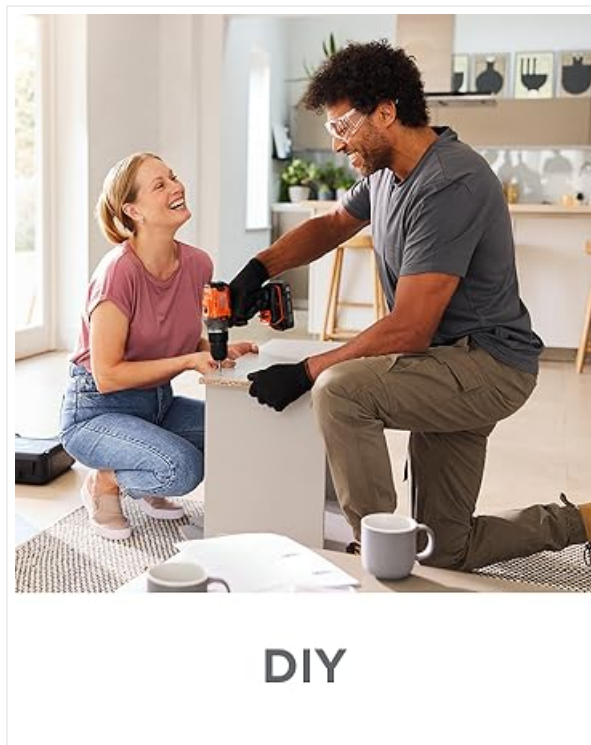


Figure 2: The Black+Decker BEH710 impact drill shown with its auxiliary handle attached, providing enhanced grip and control for the user.

Ti aiuta a godere di ogni parte della tua casa, sia dentro che fuori.

Da una modesta officina di Baltimore, fino alla superficie della Luna, abbiamo fornito con orgoglio soluzioni innovative per oltre un secolo.

Il nostro obiettivo è sempre stato semplice: facilitare i compiti quotidiani, in modo da spendere più tempo a godere del tuo spazio, dentro e fuori.

Easy By Design.™

Figure 3: A close-up view of the 13mm keyless chuck, designed for quick and easy drill bit changes.

5. SETUP

5.1 Attaching the Auxiliary Handle

1. Loosen the auxiliary handle by rotating it counter-clockwise.
2. Slide the handle over the front of the drill body until it is in the desired position.
3. Rotate the handle clockwise to tighten it securely. Ensure it is firmly fixed before use.

5.2 Installing/Changing Drill Bits

1. Ensure the drill is unplugged from the power source.
2. Grip the rear part of the chuck and rotate the front part counter-clockwise until the chuck jaws are open wide enough to insert the drill bit.
3. Insert the drill bit fully into the chuck.
4. Rotate the front part of the chuck clockwise to tighten the jaws firmly around the drill bit. Ensure the bit is centered and secure.

5.3 Setting the Depth Stop

1. Insert the depth stop into the hole on the auxiliary handle.
2. Adjust the depth stop to the desired drilling depth. The tip of the drill bit should extend beyond the depth stop by the required amount.
3. Tighten the auxiliary handle to secure the depth stop in place.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To start the drill, press the trigger switch.
- To stop the drill, release the trigger switch.
- For continuous operation, press the trigger switch and then press the lock-on button. To release, press the trigger switch again.

6.2 Selecting Drilling Mode (Drill/Impact Drill)

Your drill features a mode selector switch, typically located on the top of the drill body, to switch between standard drilling and impact drilling.

- **Drilling Mode:** For drilling into wood, metal, plastics, and other non-masonry materials.
- **Impact Drilling Mode:** For drilling into masonry, concrete, and brick.

Ensure the drill is unplugged before changing modes.

6.3 Forward/Reverse Rotation

A selector switch, usually near the trigger, controls the direction of rotation.

- Set to forward (clockwise) for drilling and driving screws.
- Set to reverse (counter-clockwise) for removing screws or freeing a jammed drill bit.

Only change the direction of rotation when the drill is completely stopped.

6.4 Drilling Techniques

- Always hold the drill firmly with both hands, especially when using the auxiliary handle.
- Apply steady, even pressure. Do not force the drill.
- For metal drilling, use a center punch to mark the hole and start with a small pilot hole for larger diameters.
- For masonry drilling, ensure the impact mode is selected and use appropriate masonry drill bits.
- Allow the drill to reach full speed before contacting the workpiece.



Figure 4: The Black+Decker BEH710 impact drill being used to drill into a wooden beam, demonstrating its application in general drilling tasks.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

7.1 Cleaning

- Always unplug the tool before cleaning.
- Keep the ventilation slots clean to prevent overheating. Use a soft brush or compressed air to remove dust and debris.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

7.2 Carbon Brushes

The BEH710 features reversible carbon brushes designed for extended life. If the tool experiences reduced power or excessive sparking, the carbon brushes may need inspection or replacement. This should ideally be performed by a qualified service technician.

7.3 Storage

- Store the tool in a dry, secure place out of reach of children.
- Protect the power cord from damage during storage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	No power supply. Faulty power cord/plug. Trigger switch fault.	Check power outlet and connections. Inspect cord for damage; replace if necessary. Contact service center.
Loss of power during operation.	Overload. Worn carbon brushes.	Reduce pressure on the drill. Have carbon brushes inspected/replaced by a service technician.
Excessive sparking from motor.	Worn carbon brushes. Motor fault.	Have carbon brushes inspected/replaced by a service technician. Contact service center.
Drill bit not holding securely.	Chuck not tightened properly. Damaged chuck jaws.	Ensure chuck is fully tightened. Contact service center for chuck replacement.

For issues not listed here, or if solutions do not resolve the problem, please contact Black+Decker customer service or an authorized service center.

9. TECHNICAL SPECIFICATIONS

Model Number	BEH710
Brand	BLACK+DECKER
Power Input	710 W
Chuck Size	13 mm Keyless
No-Load Speed	2800 rpm
Power Source	Corded Electric
Voltage	1 V <i>(Note: This value appears unusual for a power tool and may be a data entry error. Typical voltage for such tools in Europe is 230V.)</i>
Amperage	15 A
Cord Length	2.5 Meters
Weight	2.04 kg
Dimensions (L x W x H)	30 x 30 x 35 cm (Product packaging/overall dimensions)
Material	Metal
Color	Black/Orange

Note: Specifications are subject to change without notice for product improvement.

10. WARRANTY AND SUPPORT

Black+Decker products are manufactured to high-quality standards and are guaranteed against manufacturing defects. For

specific warranty terms and conditions, 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 visit their official website for contact information.

Website: www.blackanddecker.com

