

BLACK+DECKER BCF601AA

BLACK+DECKER BCF601AA Alkaline Cordless Screwdriver Instruction Manual

Model: BCF601AA

1. OVERVIEW

The BLACK+DECKER BCF601AA Alkaline Cordless Screwdriver is designed for quick and efficient driving and removal of screws in various household projects. This compact and versatile tool comes with a 42-piece accessory set, providing a wide range of bits for different applications. Its ergonomic design and integrated features enhance user convenience and productivity.



Figure 1: BLACK+DECKER BCF601AA Cordless Screwdriver with a Phillips bit inserted.

Key Features:

- **220 RPM Speed:** Provides quick driving for various tasks.
- **Extension Shaft:** Offers further reach for accessing tight or recessed areas.
- **Integrated LED Light:** Illuminates poorly lit work surfaces for improved visibility.
- **Ideal Sizes:** Includes a variety of 1-inch screwdriver bits suitable for frequent use and installation projects.
- **Magnetic Drive Guide:** Helps to hold screws in place for easier starting.

2. SETUP

2.1 Battery Installation

The BLACK+DECKER BCF601AA screwdriver operates on four (4) AA alkaline batteries. To install or replace batteries:

1. Locate the battery compartment at the base of the screwdriver handle.
2. Squeeze the two pressure points on the sides of the battery compartment cover and pull it downwards to remove.
3. Insert four (4) fresh AA alkaline batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Slide the battery compartment cover back into place until it clicks securely.

2.2 Bit Insertion

The screwdriver uses standard 1-inch hex shank bits. To insert a bit:

1. Select the appropriate bit from the 42-piece accessory set for your task.
2. Simply push the bit firmly into the chuck at the front of the screwdriver until it is seated. The bits are held in place by friction.
3. To remove a bit, pull it straight out from the chuck.



Figure 2: The included 42-piece screwdriver bit set.

3. OPERATING INSTRUCTIONS

3.1 Powering On/Off and Direction Control

The screwdriver features a simple two-button control for operation and direction:

- Press the **left button** to rotate the bit counter-clockwise (for unscrewing).
- Press the **right button** to rotate the bit clockwise (for screwing).
- Release the button to stop the rotation.

3.2 Safety Lock

To prevent accidental activation, the screwdriver is equipped with a safety lock mechanism. This is typically a collar or switch near the chuck:

- Rotate the collar to the 'locked' position (often indicated by a padlock symbol) when not in use or during storage. This will prevent the buttons from being pressed.
- Rotate the collar to the 'unlocked' position to enable the forward/reverse buttons for operation.

3.3 Integrated LED Light

The screwdriver includes an LED light to illuminate your work area:

- The LED light automatically activates when either the forward or reverse button is pressed, providing visibility in dimly lit spaces.



Figure 3: Side view of the screwdriver, highlighting its compact design.

3.4 Using the Extension Shaft

For tasks requiring extended reach or access to confined areas, the screwdriver features an extension shaft:

1. To attach the extension shaft, align it with the chuck and push it firmly until it locks into place.
2. Insert your desired screwdriver bit into the end of the extension shaft.
3. To remove the extension shaft, pull it firmly away from the screwdriver.



Figure 4: Screwdriver with the extension shaft for increased reach.

4. MAINTENANCE

4.1 Cleaning

- Keep the tool's ventilation slots clean to prevent overheating.
- Use a soft, damp cloth to clean the exterior of the screwdriver. Do not use harsh chemicals or abrasive cleaners.

- Ensure the tool is dry before storing.

4.2 Battery Care

- Always use high-quality alkaline batteries for optimal performance.
- Remove batteries from the tool if it will not be used for an extended period to prevent leakage.
- Dispose of used batteries responsibly according to local regulations.

4.3 Bit Care

- Store screwdriver bits in their provided case to keep them organized and prevent loss or damage.
- Replace worn or damaged bits to ensure efficient and safe operation.

5. TROUBLESHOOTING

Common Issues and Solutions:

- **Screwdriver not turning on:**
 - Check if the safety lock is disengaged.
 - Ensure batteries are correctly installed with proper polarity.
 - Replace old or depleted batteries with fresh ones.
- **Bit slipping or not engaging screw:**
 - Ensure the correct bit type and size are used for the screw head.
 - Check if the bit is fully inserted into the chuck or extension shaft.
 - Replace worn or damaged bits.
- **Reduced power or speed:**
 - Batteries may be low; replace them.
 - Ensure the tool is not being overloaded with tasks beyond its intended capacity.

6. SPECIFICATIONS

| Feature | Detail |
|-----------------|---|
| Brand | BLACK+DECKER |
| Model Name | BCF601AA |
| Power Source | Alkaline Batteries (4 x AA) |
| Speed | 220 RPM |
| Head Style | Flat, Phillips |
| Material | Metal, Plastic |
| Color | Black |
| Special Feature | Cordless, Integrated LED Light, Extension Shaft, Magnetic Drive Guide |

| Feature | Detail |
|------------------|------------------|
| Recommended Uses | Home Improvement |

7. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the documentation included with your product or visit the official BLACK+DECKER website. Keep your purchase receipt as proof of purchase for warranty claims.

You can find more information and contact details on the [BLACK+DECKER Store on Amazon](#).