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> [Appleton BC100G 1-inch Cast Conduit Body Cover Instruction Manual](#)

## Appleton BC100G

# Appleton BC100G 1-inch Cast Conduit Body Cover Instruction Manual

Model: BC100G

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## 1. INTRODUCTION

Thank you for choosing the Appleton BC100G 1-inch Cast Conduit Body Cover. This manual provides essential information for the safe and proper installation, use, and maintenance of your product. Please read this manual thoroughly before installation and retain it for future reference.

## 2. PRODUCT OVERVIEW

The Appleton BC100G is a durable cast conduit body cover designed for use with 1-inch conduit bodies. It provides protection for electrical wiring connections within the conduit system, ensuring safety and compliance with electrical codes. Its robust construction is suitable for various industrial and commercial applications.



**Figure 2.1:** The Appleton BC100G 1-inch Cast Conduit Body Cover. This image displays the robust, cast metal construction of the cover, designed to seal and protect electrical wiring within a 1-inch conduit body.

### 3. SAFETY INFORMATION

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**WARNING:** Electrical shock hazard. Always disconnect power before installing or servicing electrical components. Installation should only be performed by qualified personnel in accordance with all applicable national and local electrical codes.

- Ensure all connections are secure and properly sealed to prevent moisture ingress.
- Do not use this product if it appears damaged.
- Wear appropriate personal protective equipment (PPE) during installation.
- Verify that the cover is compatible with the conduit body it is being installed on.

### 4. PACKAGE CONTENTS

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The Appleton BC100G package typically includes:

- 1 x Appleton BC100G 1-inch Cast Conduit Body Cover
- *(Mounting screws or gaskets may be sold separately depending on the specific conduit body or*

application requirements.)

## 5. SETUP AND INSTALLATION

Follow these steps for proper installation of the conduit body cover:

1. **Preparation:** Ensure power to the circuit is disconnected at the main breaker or fuse panel.
2. **Inspect:** Examine the conduit body and the BC100G cover for any damage or debris.
3. **Position:** Align the BC100G cover with the opening of the 1-inch conduit body. Ensure the cover fits flush against the conduit body's surface.
4. **Secure:** Insert appropriate mounting screws (not included) through the designated holes in the cover and into the conduit body. Tighten screws evenly to create a secure seal. Do not overtighten, as this may damage the cover or conduit body.
5. **Seal (Optional):** If required for environmental protection (e.g., moisture or dust), apply a suitable gasket (not included) between the cover and the conduit body before securing.
6. **Final Check:** Verify that the cover is firmly attached and that no gaps are present.

*Consult local electrical codes for specific requirements regarding conduit body installations and sealing.*

## 6. MAINTENANCE

The Appleton BC100G cover requires minimal maintenance. Regular inspection is recommended to ensure its continued integrity and performance.

- **Periodic Inspection:** Annually, or more frequently in harsh environments, inspect the cover for signs of corrosion, cracks, or other physical damage.
- **Cleaning:** If necessary, clean the exterior of the cover with a damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Seal Integrity:** If a gasket is used, check its condition during inspections. Replace any cracked or deteriorated gaskets to maintain environmental protection.
- **Tightness:** Periodically check the tightness of the mounting screws. Retighten if necessary, but do not overtighten.

## 7. TROUBLESHOOTING

| Problem                            | Possible Cause   | Solution   |
|------------------------------------|--|--|
| Cover does not fit flush.          | Incorrect conduit body size; debris on mating surface; warped cover. | Verify conduit body is 1-inch; clean mating surfaces; replace cover if warped.             |
| Moisture inside conduit body.      | Improperly sealed cover; damaged gasket; loose screws.               | Ensure screws are tightened evenly; replace gasket if damaged; apply sealant if necessary. |
| Cover appears corroded or damaged. | Exposure to harsh environment; physical impact; age.                 | Replace the cover immediately to maintain protection and safety.                           |

## 8. SPECIFICATIONS

| Feature            | Detail   |
|--------------------|--|
| Model Number       | BC100G   |
| Product Type       | Cast Conduit Body Cover  |
| Conduit Size       | 1 inch   |
| Material           | Cast Metal (specific alloy not provided, typically aluminum or iron) |
| Product Dimensions | Approximately 5 x 5 x 9 inches (L x W x H)                           |
| Item Weight        | Approximately 5.4 ounces   |
| Manufacturer       | Appleton   |

## 9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts, please contact Appleton customer service directly. Details can typically be found on the manufacturer's official website or product packaging.

**Appleton Contact Information:**

Please refer to [Emerson Automation Solutions - Appleton](#) for the most current contact details and support resources.