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› Crouse-Hinds LB37 Feraloy Iron Alloy Type LB Conduit Outlet Body 1 Inch Condulet User Manual

Crouse-Hinds LB37

Crouse-Hinds LB37 Feraloy Iron Alloy Type LB Conduit Outlet Body User Manual

Model: LB37

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Crouse-Hinds LB37 Feraloy Iron Alloy Type LB Conduit Outlet Body. Please read this manual thoroughly before use to ensure safe and efficient performance.

The Crouse-Hinds LB37 is a durable conduit outlet body designed for electrical conduit systems. It features a Form 7 condulet design that closely matches conduit size for neat and compact installations, with a trade size of 1 inch.

PRODUCT OVERVIEW



Figure 1: Top view of the LB37 conduit outlet body, highlighting the embossed product identification and certifications. This image displays the top surface of the Crouse-Hinds LB37 conduit outlet body. Clearly visible are the embossed markings "CROUSE-HINDS" and "1" LB 37", indicating the brand, size, and model number. The robust iron alloy construction is evident, designed for durability in electrical installations.



Figure 2: Internal view of the LB37 conduit outlet body, showing the spacious interior for wiring.

This image provides an internal perspective of the LB37 conduit outlet body. It shows the hollow, elongated interior designed to accommodate electrical wiring and connections. The smooth, cast iron surface ensures easy wire pulling and protection. One threaded opening is visible at the end, ready for conduit connection.

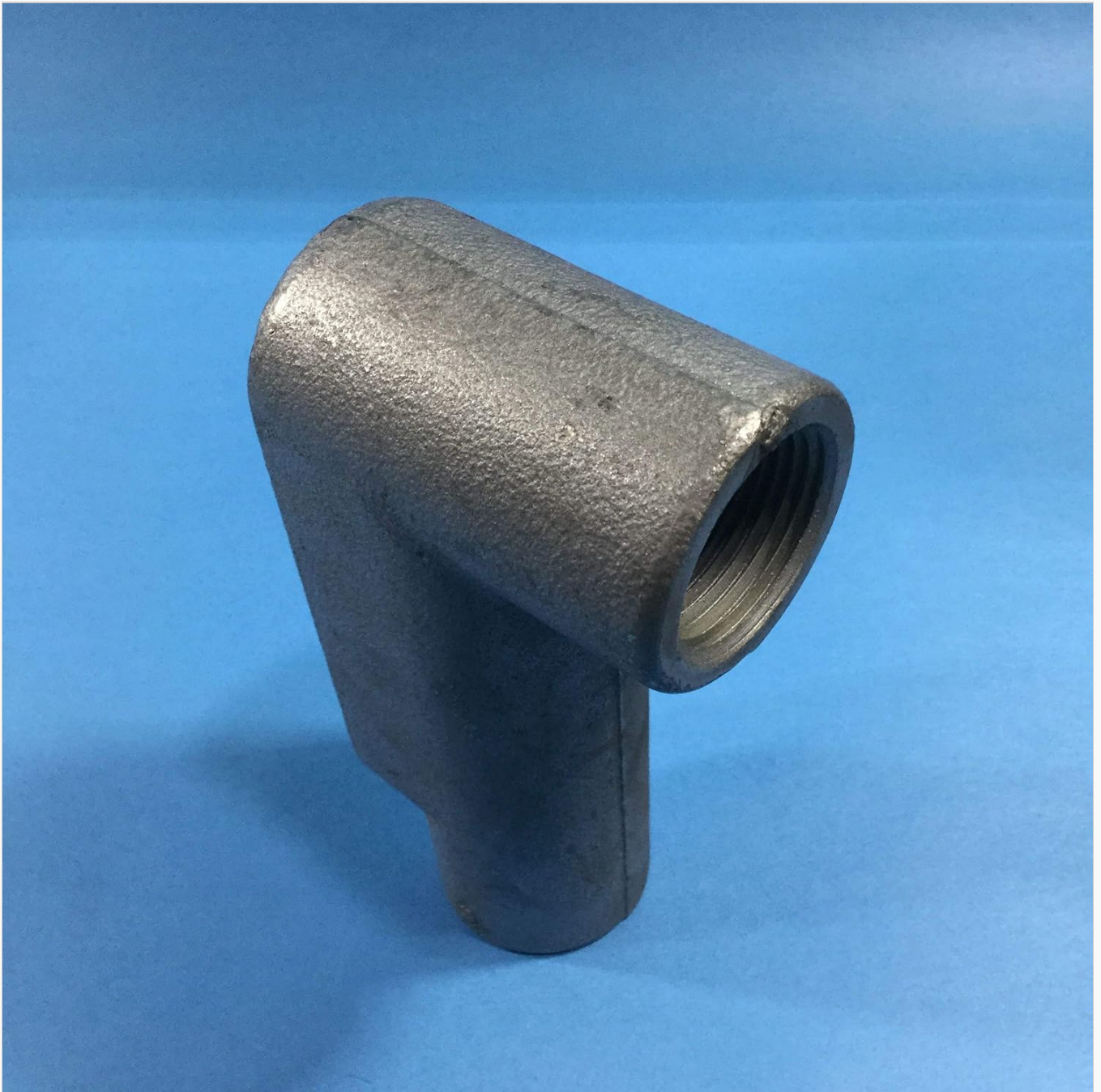


Figure 3: Side view of the LB37 conduit outlet body, illustrating the angled design for conduit routing.

This image presents a side view of the Crouse-Hinds LB37 conduit outlet body. It clearly shows the distinctive 90-degree bend, which allows for changes in conduit direction. The threaded opening for connecting 1-inch conduit is prominently displayed, indicating its readiness for installation in an electrical system.

Key Features:

- Form 7 conduit outlet body design.
- Approaches conduit in size for neat and compact installations.
- Trade size of 1 Inch.
- Constructed from Feraloy Iron Alloy for durability.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of the conduit outlet body. Always consult local electrical codes and regulations before beginning any electrical work.

Required Tools and Materials:

- Appropriate conduit (1-inch trade size).
- Conduit threading tools (if not pre-threaded).
- Wrenches or pliers for tightening connections.
- Electrical tape or thread sealant (if required by code).
- Personal protective equipment (PPE) including safety glasses and gloves.

Installation Steps:

1. **Safety First:** Ensure all power to the circuit is turned off at the main breaker before starting any work. Verify with a voltage tester.
2. **Prepare Conduit:** Cut and thread the 1-inch conduit to the required lengths. Deburr all cut edges to prevent wire damage.
3. **Attach Conduit:** Screw the prepared conduit into the threaded openings of the LB37 conduit outlet body. Ensure connections are tight and secure to maintain electrical continuity and prevent moisture ingress.
4. **Route Wiring:** Carefully pull electrical wires through the conduit and the outlet body. Ensure wires are not kinked or damaged during this process.
5. **Secure Cover (if applicable):** Once wiring is complete, attach the appropriate cover (not included with this body) to the outlet body to protect the internal connections.
6. **Final Inspection:** Visually inspect all connections for tightness and proper alignment.

OPERATING PRINCIPLES

The Crouse-Hinds LB37 conduit outlet body is a passive component within an electrical conduit system. Its primary function is to provide a means for changing the direction of a conduit run by 90 degrees, allowing for wire pulling, and providing access to conductors for splicing or maintenance.

Once installed, the outlet body facilitates the safe routing and protection of electrical wiring. It does not require active operation or power. Its robust construction ensures long-term reliability in various environmental conditions.

MAINTENANCE

The LB37 conduit outlet body is designed for minimal maintenance due to its durable Feraloy Iron Alloy construction. However, periodic inspection is recommended to ensure continued integrity of the electrical system.

Inspection Schedule:

- **Annual Inspection:** Annually, or more frequently in harsh environments, visually inspect the conduit body and its connections.

Maintenance Steps:

1. **Power Off:** Always de-energize the circuit before performing any inspection or maintenance.
2. **Visual Check:** Look for any signs of corrosion, physical damage, cracks, or loose connections.
3. **Tighten Connections:** If any connections appear loose, carefully tighten them using appropriate tools. Do not overtighten.
4. **Clean Surface:** If necessary, clean the exterior surface with a damp cloth to remove dirt or debris. Avoid abrasive cleaners.
5. **Replace Damaged Components:** If the conduit body shows significant damage, it should be replaced by a qualified

electrician.

TROUBLESHOOTING

As a passive component, the LB37 conduit outlet body itself typically does not "malfunction." Most issues related to conduit systems stem from improper installation or external factors.

Common Issues and Solutions

Problem	Possible Cause	Solution
Loose conduit connection	Insufficient tightening during installation; vibration.	De-energize circuit. Tighten conduit connection securely.
Water/moisture ingress	Improper sealing; damaged conduit or body.	De-energize circuit. Inspect seals and connections. Apply thread sealant if necessary. Replace damaged components.
Difficulty pulling wires	Conduit burrs; too many wires; sharp bends in conduit run.	Ensure conduit ends are deburred. Reduce number of wires if overfilled. Use appropriate wire lubricant.
Visible corrosion on body	Exposure to harsh chemicals or extreme moisture.	Clean surface. If corrosion is severe and compromises integrity, replace the unit. Consider protective coatings for future installations in similar environments.

Important: All troubleshooting and repairs involving electrical components should only be performed by qualified personnel. Always ensure power is disconnected before attempting any work.

SPECIFICATIONS

Product Specifications for LB37 Conduit Outlet Body

Attribute	Value
Brand	Crouse-Hinds
Model Number	LB37
Material	Feraloy Iron Alloy
Trade Size	1 Inch
Product Dimensions	5.91 x 5.91 x 5.91 inches
Item Weight	1.74 Pounds
Color	Silver
Manufacturer	Cooper Crouse-Hinds
ASIN	B00KCYFRBG

WARRANTY AND SUPPORT

For specific warranty information regarding the Crouse-Hinds LB37 conduit outlet body, please refer to the official Crouse-

Hinds website or contact their customer support directly. Warranty terms typically cover manufacturing defects.

Customer Support:

For technical assistance, product inquiries, or warranty claims, please contact Crouse-Hinds customer service. Contact details can usually be found on the manufacturer's official website.

- **Manufacturer:** Cooper Crouse-Hinds
- **Website:** [Eaton Crouse-Hinds Official Website](#) (as Crouse-Hinds is part of Eaton)
- **General Inquiries:** Refer to the website for contact forms or phone numbers.

Always provide the model number (LB37) and ASIN (B00KCYFRBG) when contacting support for faster service.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question