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Best Price Square 112108-0001.-ITT CANNON

ITT Cannon Crimp Tool - Model 112108-0001

User Instruction Manual

Introduction

This manual provides detailed instructions for the safe and effective use of the ITT Cannon Crimp Tool, Model 112108-0001. This precision hand tool is designed for crimping ITT Cannon DL Series ZIF (Zero Insertion Force) contacts within a specific wire gauge range.

Please read this manual thoroughly before operating the tool to ensure proper function and to prevent damage to the tool or components.

Safety Information

Always observe the following safety precautions when using the crimp tool:

- Wear appropriate personal protective equipment, such as safety glasses, to protect against flying debris.
- Ensure the work area is well-lit and free from obstructions.
- Keep fingers and other body parts clear of the crimping jaws during operation.
- Do not use the tool for purposes other than its intended design (crimping electrical contacts).
- Inspect the tool for damage before each use. Do not use a damaged tool.
- Store the tool in a dry, safe place away from children.

Package Contents

Verify that all items are present in the package:

- 1 x ITT Cannon Crimp Tool (Model 112108-0001)

Setup

The ITT Cannon Crimp Tool is a hand-operated device that requires minimal setup. It is ready for use directly out of the packaging.

1. Unpack the crimp tool from its protective packaging.
2. Inspect the tool for any visible damage or manufacturing defects. If any damage is found, do not use the tool and contact customer support.
3. Familiarize yourself with the tool's components, including the crimping jaws, handles, and any adjustment mechanisms.



Figure 1: The ITT Cannon Crimp Tool, Model 112108-0001. This image shows the full crimp tool with its ergonomic black handles and the metal crimping mechanism. The tool is designed for precision crimping of electrical contacts.

Operating Instructions

This crimp tool is specifically designed for ITT Cannon DL Series 26-20AWG ZIF Contacts. Using it with other contact types or wire gauges may result in improper crimps or damage to the tool or contacts.

1. **Prepare the Wire:** Strip the insulation from the end of the wire to the recommended length for the specific ITT Cannon DL Series ZIF contact you are using. Refer to the contact's datasheet for precise stripping dimensions.
2. **Insert the Contact:** Carefully insert the ITT Cannon DL Series ZIF contact into the appropriate crimping cavity of the tool. Ensure the contact is fully seated and aligned correctly.
3. **Insert the Wire:** Insert the stripped wire into the wire barrel of the contact. Ensure that the wire conductor is fully inserted into the contact's crimp barrel and that no stray strands are outside the barrel.
4. **Perform the Crimp:** Squeeze the handles of the crimp tool firmly and completely until the crimping cycle is finished. The tool is designed to release only after a full crimp cycle has been achieved, ensuring a consistent and reliable crimp.
5. **Inspect the Crimp:** After the crimp, carefully remove the crimped contact from the tool. Visually inspect the crimp for proper formation. The insulation crimp should securely hold the wire insulation, and the conductor crimp should be tight and uniform, encapsulating all wire strands. Perform a gentle pull test on the wire to ensure mechanical integrity.

Important: Always use the correct crimping cavity for the specific contact and wire gauge (26AWG to 20AWG) to ensure optimal performance and reliability of the connection.

Maintenance

Proper maintenance will extend the life of your crimp tool:

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any dust, debris, or residue. For stubborn grime, a slightly damp cloth can be used, followed by immediate drying.
- **Lubrication:** Periodically apply a small amount of light machine oil to the pivot points and moving parts of the tool to ensure smooth operation. Do not over-lubricate.
- **Storage:** Store the tool in a clean, dry environment to prevent corrosion. Keep the jaws closed when not in use to protect the crimping surfaces.
- **Inspection:** Regularly inspect the crimping jaws for wear, damage, or misalignment. Worn jaws can lead to improper crimps.

Troubleshooting

If you encounter issues with your crimp tool, consider the following:

Problem	Possible Cause	Solution
Poor crimp quality (loose, deformed)	Incorrect wire gauge or contact type; Worn crimping jaws; Insufficient force applied; Wire not fully inserted.	Ensure correct wire (26-20AWG) and ITT Cannon DL Series ZIF contact are used. Inspect jaws for wear. Apply full pressure until tool releases. Re-insert wire fully.
Tool jams or sticks	Debris in mechanism; Lack of lubrication; Damaged pivot points.	Clean the tool thoroughly. Apply light machine oil to pivot points. If damage is suspected, discontinue use.
Handles are stiff	Lack of lubrication; Dirt accumulation.	Clean and lubricate the tool's moving parts.

Specifications

- **Model:** 112108-0001
- **Brand:** ITT Cannon (Manufactured by ITT Cannon)
- **Crimp Tool Type:** Hand Tool
- **Compatible Contacts:** ITT Cannon DL Series ZIF Contacts
- **Wire Gauge Range:** 26 AWG to 20 AWG
- **Material:** Plastic (handles), Metal (body/jaws)
- **Grip Type:** Ergonomic
- **Part Number:** 112108-0001.-ITT CANNON
- **ASIN:** B00DKC6AGI

Warranty and Support

For warranty information or technical support regarding your ITT Cannon Crimp Tool, please refer to the documentation provided at the time of purchase or contact the manufacturer directly. Keep your proof of purchase for warranty claims.

For general inquiries, you may also contact the seller, Best Price Square, or the manufacturer, ITT Cannon.

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