Haisstronica HS-5327

Haisstronica HS-5327 Ratchet Crimping Tool Instruction Manual

Brand: Haisstronica | Model: HS-5327

Product Overview

The Haisstronica HS-5327 Ratchet Crimping Tool is engineered for reliable crimping of non-insulated open barrel terminals and receptacles, accommodating wire sizes from AWG 20 to AWG 10. Its design focuses on precision, durability, and user comfort to ensure secure electrical connections.

- **Crimping Range:** Works with non-insulated open barrel terminals and receptacles, supporting AWG 20-18, 18-14, and 12-10 wire sizes.
- **Precision Crimping:** Professional jaws ensure firm wire gripping without damaging the terminal shell, providing consistent, high-quality crimps.
- **Ratcheting Mechanism:** Features a built-in thickened ratchet that automatically adjusts to the required pressure for different terminal sizes, ensuring complete crimps with an easy release.
- **Adjustable Crimp Force:** A star wheel allows for fine-tuning the crimp height and force, optimizing performance for various applications.
- **Ergonomic Design:** Equipped with nylon, non-slip handles for comfortable and efficient operation, reducing hand fatigue. Includes a quick-release lever for convenience.

Figure 1: The Haisstronica HS-5327 Ratchet Crimping Tool with blue and yellow ergonomic handles.

Specifications

Figure 2: Visual representation of the crimping tool's specifications and features.

General Product Specifications

Feature	Detail
Brand	Haisstronica
Model Number	HS-5327
Color	Blue
Item Weight	550 Grams (1.21 pounds)
Handle Material	Nylon
Grip Type	Ergonomic
Package Dimensions	10.94 x 4.25 x 1.02 inches
Crimping Range (AWG)	20-18, 18-14, 12-10

Setup

The Haisstronica HS-5327 crimping tool is designed for immediate use with its pre-installed jaws. No initial assembly is required. Ensure the tool is clean and free of debris before first use.

Understanding the Crimping Jaws

The tool features professional jaws specifically designed for non-insulated open barrel terminals. Each crimping slot is clearly marked with the corresponding AWG (American Wire Gauge) sizes: 20-18, 18-14, and 12-10 for easy identification and correct terminal selection.

Figure 3: Close-up view of the crimping jaws, showing the marked AWG sizes for non-insulated open barrel terminals.

Adjusting Crimp Force

The crimp height can be adjusted using the star wheel mechanism. This allows for precise control over the crimping force to achieve optimal results for different terminal types and wire gauges. To adjust, locate the star wheel and

rotate it to increase or decrease the crimping pressure as needed. Always test on a scrap piece of wire first.

Operating Instructions

Follow these steps for proper and secure crimping of non-insulated open barrel terminals:

1. **Prepare the Wire:** Carefully strip the insulation from the end of your wire to the appropriate length for your terminal. Ensure the wire strands are neat and untwisted.
2. **Select the Correct Terminal and Jaw Slot:** Choose a non-insulated open barrel terminal that matches your wire's AWG size. Identify the corresponding crimping slot on the tool's jaws (e.g., AWG 20-18, 18-14, or 12-10).
3. **Position the Terminal:** Place the terminal into the selected jaw slot. Gently squeeze the handles just enough to hold the terminal in place, ensuring it is properly aligned.
4. **Insert the Wire:** Insert the stripped end of the wire into the terminal. Make sure all wire strands are fully inside the terminal's barrel and that the insulation is flush with the terminal's entry point.
5. **Perform the Crimp:** Squeeze the tool handles firmly and completely until the ratcheting mechanism releases automatically. This ensures a full and secure crimp. The tool will then open, allowing you to remove the crimped terminal.
6. **Inspect the Crimp:** Visually inspect the crimp for proper formation. The terminal should be securely fastened to the wire, with no loose strands. Perform a gentle pull test to confirm the connection's strength.

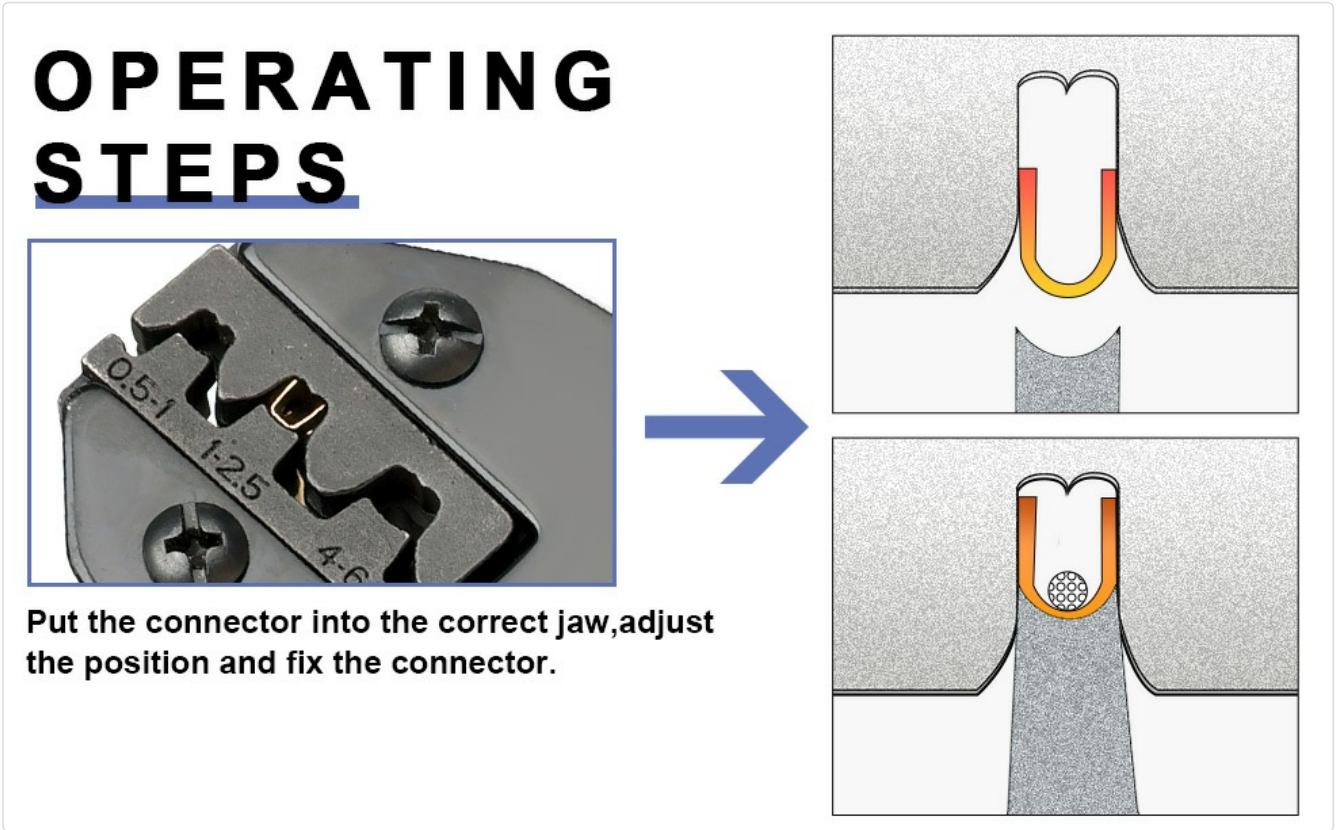

Figure 4: Step-by-step illustration of placing the connector into the correct jaw and adjusting its position.

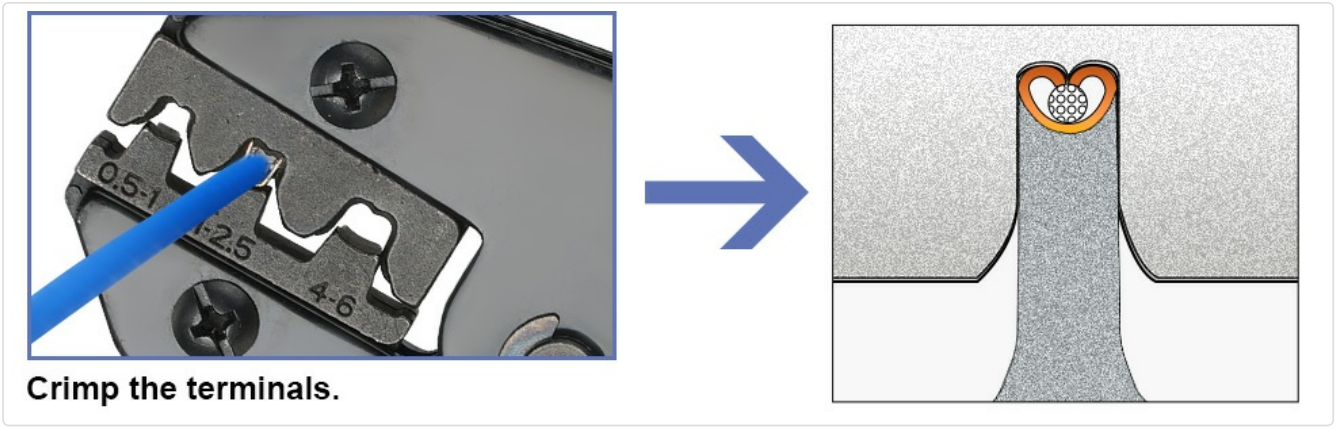

Figure 5: Illustration demonstrating the crimping action on the terminals.

Quick Release Lever

In case of misplacement or if you need to release the crimp before it's fully completed, use the quick-release lever located on the inside of the handle. Pushing this lever will open the jaws immediately.

Maintenance

- **Cleaning:** After each use, wipe the tool clean with a dry cloth to remove any dust, dirt, or residue. For stubborn grime, a mild cleaner can be used, ensuring the tool is thoroughly dried afterward.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and moving parts to ensure smooth operation and prevent rust.
- **Storage:** Store the crimping tool in a dry environment to prevent corrosion. Keep it away from excessive moisture and extreme temperatures.
- **Inspection:** Regularly inspect the crimping jaws for wear or damage. Worn jaws can lead to unreliable crimps. If damage is noted, discontinue use and consider replacement.

Troubleshooting

- **Crimp is Loose:**
  - Ensure the correct AWG slot was used for the wire and terminal size.
  - Adjust the crimp force using the star wheel to a higher setting.
  - Verify the wire is fully inserted into the terminal before crimping.
- **Jaws Not Releasing:**
  - Ensure the handles were squeezed completely until the ratcheting mechanism clicked and released.
  - Use the quick-release lever to manually open the jaws.
  - Check for any obstructions or debris in the ratcheting mechanism.
- **Terminal Damage During Crimping:**
  - Verify the correct AWG slot was selected for the terminal.
  - Adjust the crimp force using the star wheel to a lower setting.
  - Ensure the terminal is correctly aligned in the jaw slot before crimping.

Warranty and Support

Haisstronica stands behind the quality of its products. This crimping tool comes with a **30-day money-back guarantee** and a **12-month replacement warranty**. For any inquiries, issues, or support needs, please contact Haisstronica customer service.
Contact information for support is typically available on the product packaging or the official Haisstronica website.