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Glarks GSN28B

Glarks SN-28B Terminal Professional Pin Crimping Tool User Manual

Brand: Glarks | **Model:** GSN28B

1. Introduction

This manual provides comprehensive instructions for the safe and effective use of your Glarks SN-28B Terminal Professional Pin Crimping Tool. Designed for precision and durability, this tool is ideal for crimping 2.54mm and 3.96mm KF2510 connectors, accommodating wire gauges from 28-18 AWG (0.1-1.0mm²). Please read this manual thoroughly before operation to ensure optimal performance and safety.



Image: The Glarks SN-28B crimping tool, showcasing its overall design and detailed views of the crimping jaws and ergonomic handle.

2. Key Features

- **High-Quality Construction:** Components are made of special steel for enhanced durability and performance.
- **Ergonomic Design:** Engineered according to human factors, reducing effort by up to 50% during crimping.
- **Precise Crimping:** Features precise crimping die sets and an integral lock with a self-releasing mechanism, ensuring consistent, high-quality crimps.

- **Accurate Adjustment:** Factory-calibrated for accuracy, ensuring reliable performance out of the box.
- **Comfortable Handling:** Optimal handle grasping position, light, and compact structure for comfortable and effective use.



Image: A detailed view highlighting the pressure adjustment ratchet, hard jaws, and ergonomically designed handle of the crimping pliers.

3. Package Contents

Upon opening your package, please verify that all items listed below are present and in good condition:

- 1 x Glarks SN-28B Crimping Tool

4. Specifications

Attribute	Value

Model Number	GSN28B
Crimping Capacity	0.1-1.0mm² (AWG: 28-18)
Suitable Connectors	2.54mm, 3.96mm, KF2510
Length	190 mm / 7.4 inches
Weight	384g / 13.5oz
Material	Hard Carbon Steel, ABS Plastic
Color	Orange



Image: A visual representation of the crimping tool's dimensions, indicating a length of 19cm (7.5 inches) and a jaw width of 9.5cm (3.74 inches).



Image: An illustration detailing the primary materials used in the crimping tool's construction: Hard Carbon Steel for the body and ABS Plastic for the handles.

5. Setup

The Glarks SN-28B Crimping Tool requires minimal setup. Upon receiving the tool:

1. **Unpack:** Carefully remove the crimping tool from its packaging.
2. **Inspect:** Visually inspect the tool for any signs of damage that may have occurred during shipping. Ensure the jaws open and close smoothly.
3. **Familiarize:** Take a moment to familiarize yourself with the tool's components, including the crimping jaws, handles, and the pressure adjustment ratchet.

6. Operating Instructions

Follow these steps for effective and safe crimping:

1. **Prepare the Wire:** Strip the insulation from the end of the wire to the appropriate length for your connector. Ensure the wire strands are neat and untwisted.
2. **Select the Correct Die:** Identify the correct crimping slot on the tool's jaws that matches the size of your terminal or connector (e.g., 2.54mm or 3.96mm KF2510).
3. **Insert Terminal:** Place the terminal into the selected crimping slot. Ensure it is seated correctly and held firmly by the tool's jaws.
4. **Insert Wire:** Carefully insert the stripped wire into the terminal. Make sure the wire extends fully into the crimp barrel.
5. **Crimp:** Squeeze the handles of the crimping tool firmly and steadily until the ratchet mechanism releases. This ensures a complete and secure crimp. The self-releasing mechanism prevents over-crimping.
6. **Inspect Crimp:** After crimping, remove the terminal and inspect the crimp. It should be tight and secure, with no loose strands. A good crimp will hold the wire firmly without pulling out.



Image: A five-step visual guide demonstrating how to properly use the crimping tool, from inserting the terminal to completing the crimp.



Image: An example of wires successfully crimped with connectors, illustrating the ease and effectiveness of the tool.

Pressure Adjustment

The tool features a pressure adjustment ratchet. If you find the crimps are too loose or too tight, you can adjust the pressure:

- **Increase Pressure:** Turn the adjustment screw clockwise.
- **Decrease Pressure:** Turn the adjustment screw counter-clockwise.

Perform test crimps on scrap wire after adjustment to ensure the desired crimp quality.

7. Maintenance

Proper maintenance will extend the life of your crimping tool:

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any dust, debris, or residue.
- **Lubrication:** Periodically apply a light machine oil to the pivot points and moving parts to ensure smooth operation.
- **Storage:** Store the tool in a dry, clean environment, away from moisture and corrosive materials. Keep the jaws closed to protect the crimping dies.
- **Inspection:** Regularly inspect the crimping jaws for wear or damage. If the jaws appear worn, the crimping quality may be affected.

8. Troubleshooting

Problem	Possible Cause	Solution
Poor crimp quality (loose or deformed)	Incorrect die size, insufficient pressure, worn jaws, incorrect wire stripping length.	Ensure correct die size for terminal. Adjust pressure screw clockwise. Inspect jaws for wear. Verify wire stripping length.
Tool jams or sticks	Lack of lubrication, debris in mechanism.	Clean tool and apply light machine oil to pivot points.
Ratchet does not release	Mechanism obstruction, excessive pressure.	Check for debris. Adjust pressure screw counter-clockwise slightly.

9. Safety Information

WARNING: Always follow basic safety precautions when using hand tools to reduce the risk of personal injury.

- **Eye Protection:** Always wear ANSI-approved safety goggles or safety glasses with side shields when using this tool.
- **Hand Protection:** Consider wearing work gloves to protect your hands.
- **Proper Use:** Use the tool only for its intended purpose of crimping electrical terminals. Do not use it as a hammer, pry bar, or for cutting.
- **Inspect Tool:** Before each use, inspect the tool for any damage, cracks, or loose parts. Do not use a damaged tool.
- **Keep Clear:** Keep fingers and other body parts clear of the crimping jaws during operation.
- **Children:** Keep this tool out of reach of children.
- **Electrical Safety:** When working with electrical wires, ensure power is disconnected to prevent electric shock.

10. Warranty and Support

For information regarding warranty coverage, technical support, or replacement parts for your Glarks SN-28B Crimping Tool, please refer to the manufacturer's official website or contact their customer service department directly. Contact details are typically found on the product packaging or the manufacturer's website.

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