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Morris 50008

Morris Products Mechanical Lug Crimp Indentors Tool - Model 50008 User Manual

For 8-500 AWG Aluminum and 8-500 MCM Copper Lugs

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the safe and effective use of the Morris Products Mechanical Lug Crimp Indentors Tool, Model 50008. This robust tool is designed for crimping aluminum and copper lugs within a range of 8 AWG to 500 MCM. Its adjustable indenter eliminates the need for multiple dies, offering a versatile and efficient solution for electrical connections.

2. SAFETY INFORMATION

Always prioritize safety when using any hand tool, especially those involved in electrical work. Failure to follow safety guidelines can result in serious injury or damage to equipment.

- **Wear appropriate personal protective equipment (PPE):** This includes safety glasses, gloves, and any other gear required by your work environment.
- **Inspect the tool before each use:** Ensure there are no signs of damage, wear, or loose components. Do not use a damaged tool.
- **Ensure power is disconnected:** Before working on any electrical conductors, verify that all power sources are de-energized and locked out according to safety protocols.
- **Use the correct size and type of lug:** Match the lug to the wire gauge and material (aluminum or copper) to ensure a secure and reliable connection.
- **Keep hands clear of the crimping jaws:** Avoid placing fingers or other body parts near the crimping mechanism during operation.
- **Do not modify the tool:** Any modifications can compromise the tool's integrity and safety.
- **Store the tool properly:** Keep the tool in a clean, dry place, away from children and unauthorized users.

3. PRODUCT FEATURES

The Morris Products Mechanical Lug Crimp Indentors Tool is engineered for durability and ease of use.

- **Wide Connector Range:** Capable of crimping #8 through 500 MCM aluminum and copper lugs.
- **High-Quality Construction:** Features a high-strength steel nest and indenter for long-lasting performance.
- **Ergonomic Design:** Equipped with rubber handle grips and a pull-out handle design for increased leverage and user comfort.

- **Adjustable Indentor:** Eliminates the need for separate dies, providing versatility for various wire ranges.
- **Cost-Effective:** An economical alternative to hydraulic tools, reducing overall equipment costs.



Figure 1: Full view of the Morris Products Mechanical Lug Crimp Indentors Tool, showcasing its long handles and robust crimping head.



Figure 2: A close-up view of the tool's crimping head, highlighting the adjustable indenter and the size markings for aluminum terminals.

4. SETUP

Before beginning any crimping operation, ensure the tool is properly set up for the specific lug and wire size.

1. **Identify Wire and Lug Size:** Determine the exact AWG or MCM size of the wire and the corresponding lug to be used.
2. **Adjust Indenter:** Locate the adjustable indenter mechanism on the crimping head. Rotate the adjustment knob or lever to align the correct crimp size marking with the indicator. Refer to the markings on the tool for aluminum (ALUMI. TERMINALS) and copper (CU. TERMINALS) wire sizes.
3. **Prepare Wire:** Strip the insulation from the wire to the appropriate length, ensuring the conductor will fully enter the lug barrel without exposed strands after crimping.
4. **Insert Wire into Lug:** Fully insert the stripped wire conductor into the barrel of the lug.



Figure 3: Side view of the crimping tool head, illustrating the robust construction and the area where the indenter is adjusted.

5. OPERATING INSTRUCTIONS

Follow these steps to perform a proper crimp:

1. **Open Tool Handles:** Fully open the tool handles to separate the crimping jaws.
2. **Position Lug:** Place the lug barrel, with the wire inserted, into the crimping jaws. Ensure the lug is centered within the indenter and nest.
3. **Initiate Crimp:** Begin to close the handles slowly until the indenter makes contact with the lug barrel.
4. **Complete Crimp:** Apply firm and steady pressure to the handles, closing them completely until the crimp cycle is finished. The tool is designed to provide optimal crimping force when the handles are fully closed. The pull-out handle design assists in achieving the necessary leverage.
5. **Inspect Crimp:** After crimping, open the handles and remove the lug. Visually inspect the crimp for proper indentation and secure connection. The crimp should be uniform and the wire should be firmly held within the lug.
6. **Repeat for Multiple Crimps:** If the lug requires multiple crimps (e.g., for larger sizes), reposition the lug and repeat the

crimping process for each required crimp location.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your crimping tool.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove any dirt, dust, or debris. Pay special attention to the crimping jaws and indenter mechanism.
- **Lubrication:** Periodically apply a light coat of machine oil to all moving parts, including the pivot points and the indenter adjustment mechanism, to ensure smooth operation and prevent corrosion.
- **Inspection:** Regularly inspect the tool for any signs of wear, cracks, or damage to the handles, jaws, or frame. Check for any looseness in fasteners. If damage is found, discontinue use and contact Morris Products for service or replacement.
- **Storage:** Store the tool in a clean, dry environment, protected from extreme temperatures and moisture.

7. TROUBLESHOOTING

If you encounter issues while using the crimping tool, consider the following common problems and solutions:

- **Poor Crimp Quality:**
 - **Cause:** Incorrect indenter setting, improper wire stripping, or insufficient force applied.
 - **Solution:** Verify the indenter is set to the correct wire and lug size. Ensure the wire is stripped to the proper length and fully inserted. Apply full, firm pressure until the handles are completely closed.
- **Difficulty Closing Handles:**
 - **Cause:** Incorrect indenter setting (too small for the lug), foreign object in jaws, or lack of lubrication.
 - **Solution:** Check indenter setting. Inspect jaws for obstructions. Lubricate moving parts as per maintenance instructions.
- **Handles Feel Loose or Wobbly:**
 - **Cause:** Loose fasteners or worn pivot points.
 - **Solution:** Inspect all screws and pins. If any are loose, tighten them carefully. If wear is significant, the tool may require professional service or replacement.

If troubleshooting steps do not resolve the issue, contact Morris Products customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	Morris
Model Number	50008
UPC	601986500081
Connector Range (Aluminum)	8 AWG - 500 AWG
Connector Range (Copper)	8 MCM - 500 MCM
Tool Length	25 Inches
Item Weight	9 Pounds

Feature	Specification
Handle Material	Forged Steel
Grip Type	Ergonomic Rubber
Color	Red (Handles: Yellow/Black)

9. WARRANTY AND SUPPORT

Morris Products stands behind the quality of its tools. For specific warranty information, service, or technical support, please refer to the official Morris Products website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.

Morris Products Contact Information:

Please visit [the Morris Store on Amazon](#) or the official Morris Products website for contact details.

