

RENEGADE **INDUSTRIAL**



Hydraulic Crimping Tool

RI19993D

INSTRUCTION MANUAL



Read through carefully
and understand these
instructions before use

PRODUCT DETAILS



Item	Description
Product Code	RI19993D
Stroke Capacity	12mm
Range (Brass)	4 - 70mm ²
Range (Aluminium)	4 - 50mm ²
Max Pressure	6T

DIES:

4mm², 6mm², 8mm², 10mm², 16mm², 25mm², 35mm², 50mm², 70mm²

SAFETY INFORMATION

WARNING  **Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury. Save all warnings and instructions for future reference.**

- The warnings, cautions and instructions in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
- Wear AS/NZS approved safety goggles during use.
- Wear appropriate personal protective equipment (PPE) including safety gloves during use.
- Never operate the tool without the crimping dies installed. Pressing without properly fitted moulds is strictly prohibited, as this can damage internal components and cause failure.
- Do not apply excessive force. Once the dies make light contact, stop pumping. Applying extra pressure may permanently damage the tool.
- Use only the correct die size for the conductor being crimped to prevent tool damage or unsafe crimps.
- Keep hands clear of the die area at all times during operation.
- Do not hit, drop, or impact the tool. Shock damage can affect performance and safety.
- Keep the tool dry and store it in a clean environment.
- Do not disassemble the tool unless performing authorised maintenance.
- Maintenance should only be done by a trained or designated person

SPECIFICATIONS & APPLICATION

This hydraulic crimping tool uses automatic pressure adjustment in any operating direction for controlled crimping of copper (Cu) and aluminium (Al) terminals on electrical power cables, including end and mid-span connections. It is intended for professional electrical and power distribution work. Appropriate personal protective equipment (PPE) must be worn during operation at all times, including safety glasses or eye protection and protective gloves.

Caution  **Wear AS/NZS approved safety goggles during use.**



USAGE INSTRUCTIONS



- 1. Select the Correct Die**
 - Choose the die size that matches the conductor and terminal being used.
- 2. Position the Terminal**
 - Place the terminal centrally between the crimping dies.
- 3. Prepare the Tool**
 - Tighten the oil return valve (close the release switch).
- 4. Activate the Crimp**
 - Pump the movable handle to drive the plunger forward.
 - Hydraulic pressure will increase, pushing the dies together.
- 5. Crimp Completion**
 - Stop pumping when the two dies come into light contact.
 - Do not apply further pressure—over-pressurising may damage internal components.
- 6. Safety Valve Operation**
 - If equipped with a safety pressure relief system, the tool will automatically release pressure once the preset limit is reached.
- 7. Release Pressure**
 - Open the oil return valve.
 - The piston will automatically return to its starting position.

Note: Slight oil leakage around the plunger or piston during operation is normal.

MAINTENANCE INSTRUCTIONS

The tool features a compact construction and must be maintained only by authorised or trained personnel. The tool must not be struck, dropped, impacted, exposed to moisture, or disassembled outside of approved maintenance procedures. Over time, hydraulic oil levels may reduce slightly through normal use. When this occurs, the tool must be refilled with ISO 46 Hydraulic oil in accordance with the maintenance instructions provided below.

- 1. Disassemble the fixed handle and remove the rear oil piston from the oil chamber.**
- 2. Ensure the work area is clean and free from dust contamination.**
- 3. Filter ISO 46 Hydraulic oil using a fine 200-mesh filter.**
- 4. Fully refill the oil chamber.**
- 5. Open the oil return valve.**
- 6. Pump the handle repeatedly to remove trapped air from the system.**
- 7. Reinstall and tighten the oil piston and fixed handle.**
- 8. Confirm smooth operation before returning the tool to service.**



Procedures not specifically explained in this manual must be performed only by a qualified technician.

TO PREVENT INJURY FROM TOOL FAILURE: Do not use damaged equipment. If have the problem with product, please ask manufacturer for help before further use.



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