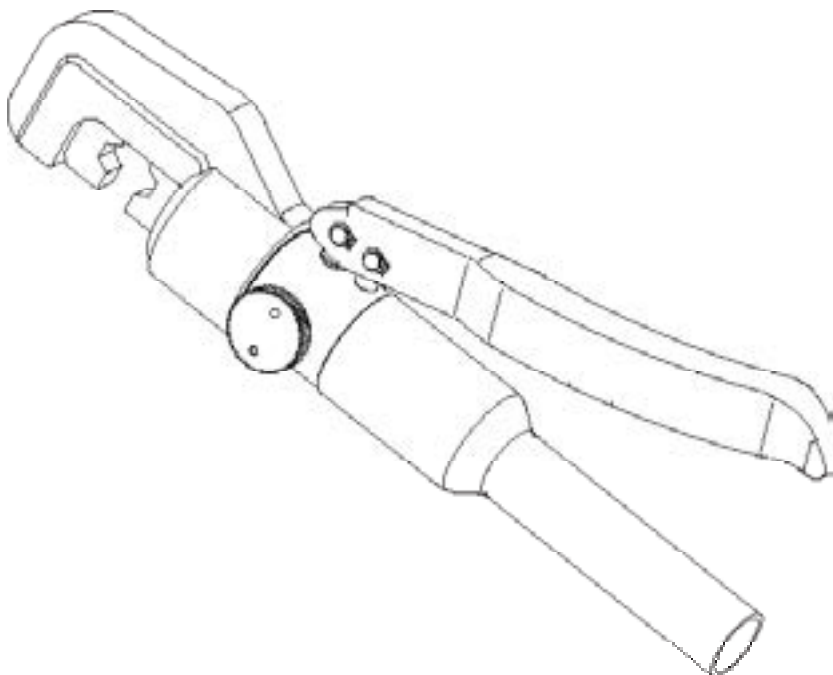




Hydraulic Battery Terminal & Lug Crimper

Instruction Manual

27-799



**PLEASE SAVE THIS MANUAL FOR
FUTURE REFERENCE**



READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS.

Failure to follow the warnings and instructions may result in serious injury.

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INTRODUCTION

It is the owner and/or operator's responsibility to study all warnings, operating instructions and maintenance instructions contained on the product label and in the instruction manual prior to operation of this product. The owner/operator should retain the product instructions for future reference of warnings and precautions, assembly, operation, inspection, maintenance and cleaning. Store this instruction manual in a safe and dry place.

IMPORTANT SAFETY INFORMATION



WARNING

READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS.

Failure to follow the warnings and instructions may result in serious injury.

1. Stay alert, watch what you are doing and use common sense when operating this tool. Do not use a tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Do not overreach. Keep proper footing and balance at all times.
4. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
5. Do not force the tool, use the right tools for your application.
6. Store the unused tool out of the reach of children and untrained users.
7. Maintain the hydraulic crimper, check for misalignment or binding of moving parts, breakage of parts and other conditions that may affect the hydraulic tool's operation. Many accidents are caused by poorly maintained tools.
8. Use the hydraulic crimping tool and dies in accordance with these instructions and in the manner intended, taking into account that operations different from those intended could result in a hazardous situation.

ELECTRICAL SAFETY



DANGER

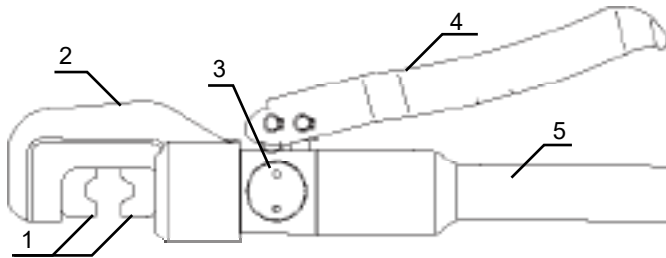
DO NOT USE ON ENERGIZED CIRCUITS.

This tool is not insulated. Remove wire or cable from the power source before use.

SPECIFICATIONS

Crimping range:	AWG #12-2/0 (Cu) AWG #8-1/0 (Al)
Crimping force:	10,000 Lbs.
Crimping type:	Hexagonal Crimp
Crimping stroke:	1/2 in.
Oil storage Capacity:	Approximately 0.4 Oz.
Dimensions:	12.2 in. x 2.25 in. x 3.78 in.
Weight:	Approximately 3.8 Lbs.
Crimping dies:	AWG #12, 10, 8, 6, 4, 2, 1, 1/0, 2/0

COMPONENTS



Number	Name	Description
1	Die Set	For crimping terminals onto wire or cable
2	Crimper Head	Holds dies in position
3	Thumb wheel	For activating and releasing oil pressure
4	Pump handle	Operates the pump
5	Fixed handle	Pump and oil reservoir

OPERATING INSTRUCTIONS

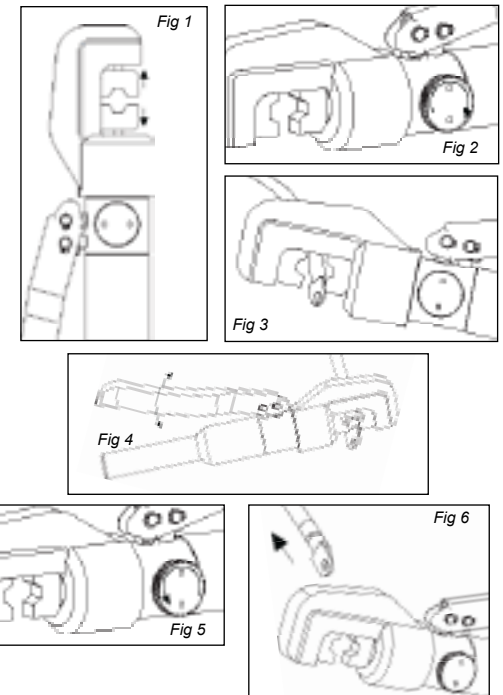


READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS.
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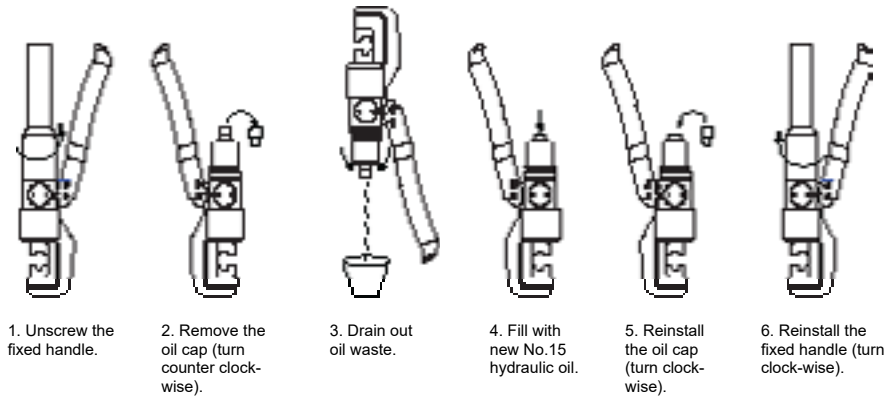


DO NOT operate crimper without dies completely set into the crimper head.

1. Select the appropriate die set.
2. Insert the top and bottom dies into the head. (Fig. 1)
3. Rotate the thumb wheel clock-wise to the "on" position. (Fig. 2)
4. Insert the terminal between the dies at center notch. (Fig. 3)
5. Pump the handle until a full crimp cycle is completed. (Fig. 4)
6. Rotate the thumb wheel counter clock-wise to release the oil pressure. (Fig. 5)
7. Remove the terminal and check for a proper crimp. (Fig. 6)



CHANGING THE HYDRAULIC OIL



Dust or air inside the tool will damage the seals and could cause the oil to leak. Make sure the oil is free of debris. Drain the oil completely out of the reservoir before refilling with new oil and reinstalling the oil plug.



Wear protective gloves when changing the oil. Wash hands with soap and water after handling. Dispose of the waste oil in accordance with all local, state and federal regulations.

MAINTENANCE & SERVICE



Damaged equipment may cause injury.

- 1. Inspect the hydraulic crimper before operating.** Check for loose fasteners, misalignment or binding of moving parts, cracked or broken parts, or any other condition that may affect its safe operation.
- 2. Tool care and storage.** Clean the external surface of the tool with a clean towel. Apply a light oil to the metal surface of the tool to avoid rust. Store the tool in a dry environment.
- 3. In order to prolong the tool's working life, please change the oil regularly.** Use clean No.15 hydraulic oil when filling or changing the oil. Take care to avoid dust and debris in the oil reservoir.
- If the tool is in use for a long duration, make sure the piston stays on its starting position.
- The original seals may eventually fail. If leaks develop replace the o-rings.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	LIKELY SOLUTION
1. No pressure or the pressure is insufficient to complete the crimp operation.	1. The pump lacks enough oil. 2. There is dust in the oil. 3. Internal leakage.	1. Fill with oil. 2. Change the oil. 3. Replace the o-rings.
2. The lug and wire do not connect tightly after crimping.	1. The tool can not achieve the rated pressure. 2. Use of wrong die set.	1. Refer to the problem #1. 2. Replace with the correct die set.
3. Burs present after crimping.	1. Use of the wrong die set.	1. Replace with the correct die set.
4. Oil leakage on the head or the ram.	1. O-ring(s) deteriorated.	1. Replace deteriorated O-ring(s)



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