

HD37

HYDRAULIC CRIMP TOOL

DATASHEET

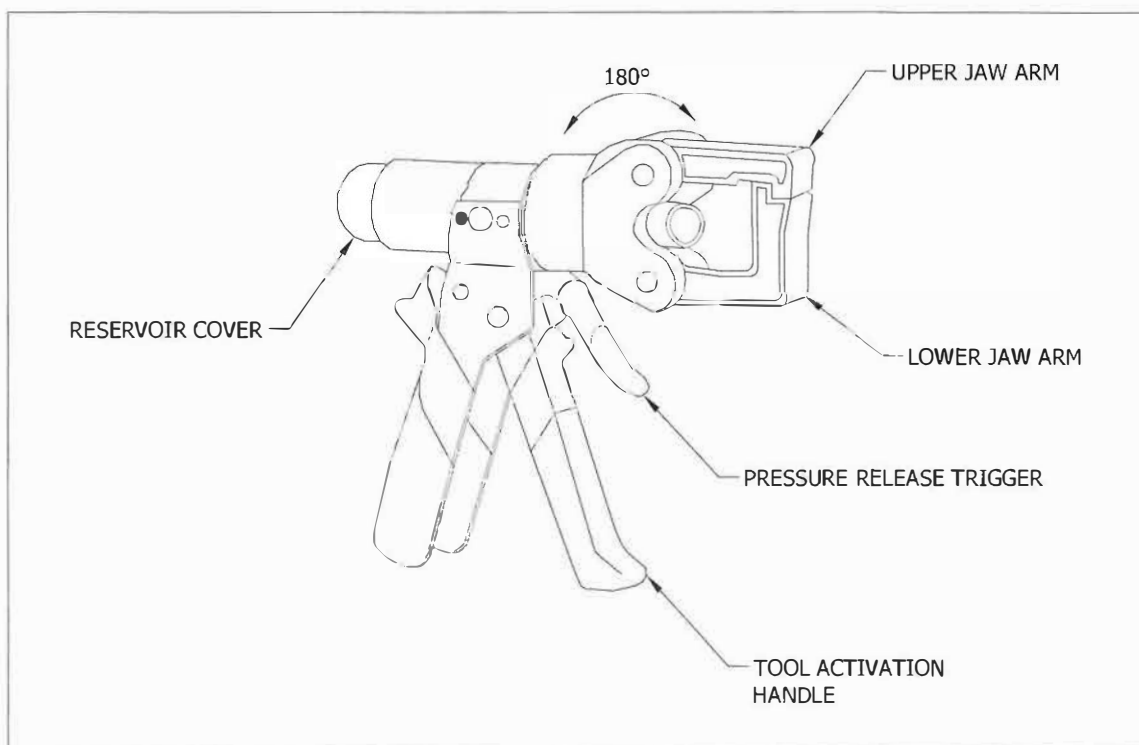


FIGURE 1

INTRODUCTION:

This datasheet covers the proper use of the HD37 Hydraulic Crimp Tool. Read the information contained in this datasheet carefully before using the tool.

DESCRIPTION:

The hydraulic tool is operated with one hand only. It has a force output of 3.5 tons and weighs 3.1lb. The tool has an automatic relief valve with audible "click" to prevent over compression. It also has a 180° rotating head to accommodate various applications, and working areas.

SELECTION OF CRIMP DIES:

This hydraulic tool is designed to accept M22520/5-XX (Daniels "Y") type dies for crimping terminals, lugs, or any other special applications. The recommended wire/terminal range for this tool is 12 AWG thru 2 AWG.

Determine proper crimping die set to be used for the crimp you are performing.

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OPERATION (SEE FIGURE 1):

1. Open the crimp jaws by lifting upward on the upper jaw arm until the lower jaw arm disengages, and falls open.
2. To insert the stationary die half of the die set into the lower jaw arm, align the dies rail slot with the die rail in the arm. Then push the shank of the die half into the hole in the arm until it snaps into place.
3. To insert the movable die half of the die set, push the shank of the die half into the tools pushrod with the dies rail slot oriented toward the lower jaw arm. Push in until it snaps in place.
4. Close the crimp jaws by lifting the lower jaw arm up to the upper jaw arm until the arms re-engage. The movable dies rail slot should be engaged to the die rail in the arm as well now.
5. Position the crimp head as needed within its 180° rotation for the terminal to be crimped.
6. Position the terminal or lug to be crimped within the crimp cavities of the installed die set.
7. Repeatedly pump the tool activation handle to close the die set.
8. When the tool reaches full pressure, and audible click will be heard and felt by the operator.
9. Activate the pressure release trigger to retract movable die half.

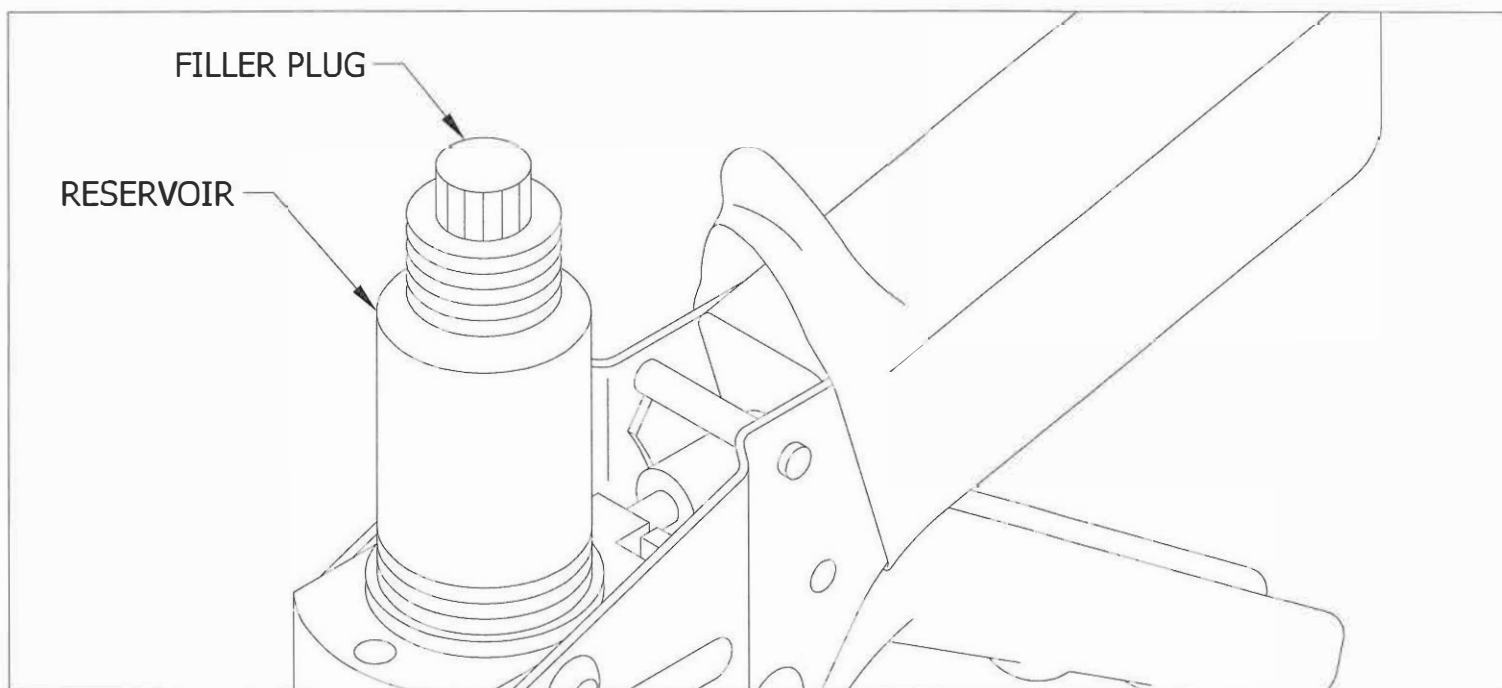


FIGURE 2

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REFILLING THE RESERVOIR AND BLEEDING THE TOOL (SEE FIGURE 2):

1. Install a die set into the tool, and activate the tool to fully close the dies, or as far as the die will close.
2. Orient the tool so the reservoir is pointed straight up, to allow the air in the system to rise to the top.
3. Unscrew the reservoir cover, and remove the filler plug.
4. Fill the reservoir with oil.
5. Depress the pressure release trigger. Excess oil will be ejected from the reservoir as the ram retracts.
6. Replace the filler plug, and reservoir cover.
7. Perform two full closures with the oil reservoir pointed straight up.

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