

Figure 1

1. INTRODUCTION

“SUPER CHAMP” Service Hand Tool 696202-1 crimps various open-barrel and closed-barrel terminals, contacts, and splices with or without insulation support and Tab-Lok FASTON flag terminals. The tool will also cut bolts of various common U.S. thread configurations.

NOTE



Dimensions in this instruction sheet are in millimeters [with inches in brackets]. Figures are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in Section 4, REVISION SUMMARY.

2. DESCRIPTION (See Figure 1)

The tool consists of two jaws and handles.

3. USING THE TOOL

3.1. Crimping Product

Select an appropriate terminal, contact, or splice for the tool. Strip the wire to the proper length (determine strip length by adding 0.79 [0.031] ($1/32$) to the length of the wire barrel). Refer to Figure 2.

Open tool handles slightly, and proceed with the following.

A. Crimping the Wire Barrel

1. Center the wire barrel in the appropriate wire barrel crimper. Refer to Figure 2.

Open Barrel (Crimpers B, C, D)

Make sure that the end of the wire barrel opening faces the letter marking on the tool.

Closed Barrel (Crimpers J, K, L)

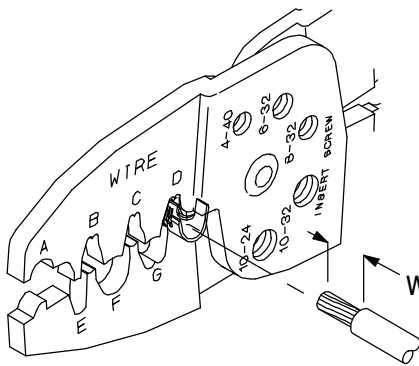
The wire barrel insulation color must match the crimper color code.

Flag Terminal (Crimper A)

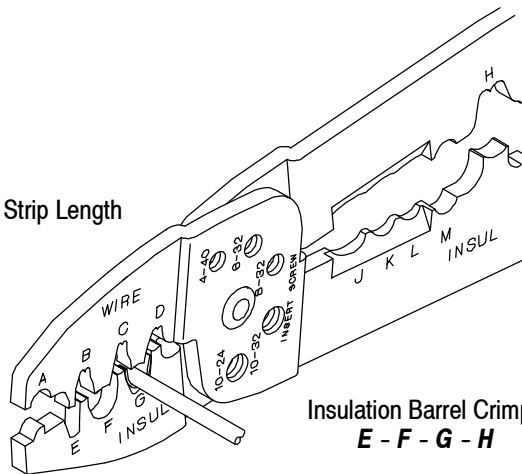
Make sure that the terminal is angled approximately 45 degrees with the locking tab resting on the bottom jaw.

2. Squeeze the tool handles together just enough to hold the wire barrel in place.
3. Insert the stripped wire into the wire barrel.
4. Holding the wire in place, squeeze the tool handles together to complete the crimp.

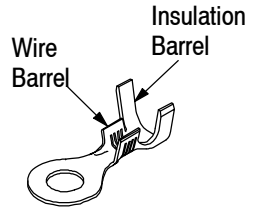
Crimping Open-Barrel Terminals



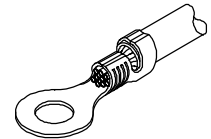
Wire Barrel Crimp:
For Reference Only (Wire Size AWG)
B (18) - C (16) - D (14)



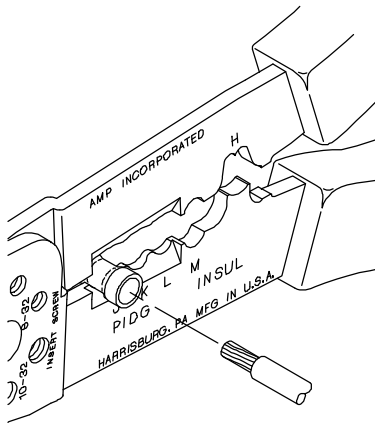
Insulation Barrel Crimp:
E - F - G - H



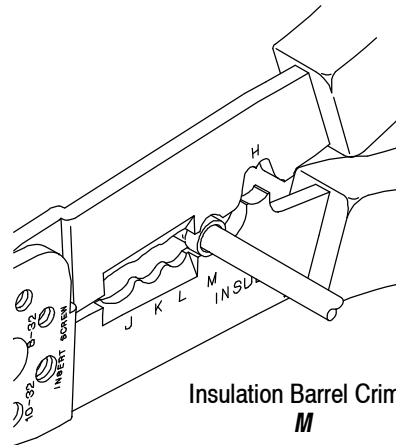
*Properly Crimped
 Open-Barrel Terminal*



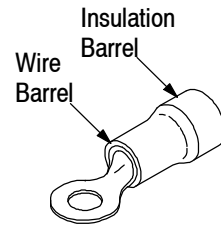
Crimping Closed-Barrel Terminals



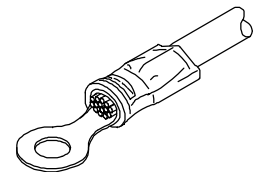
Wire Barrel Crimp Color Code:
J (Yellow) - K (Red or Blue) - L (Uninsulated)



Insulation Barrel Crimp:
M

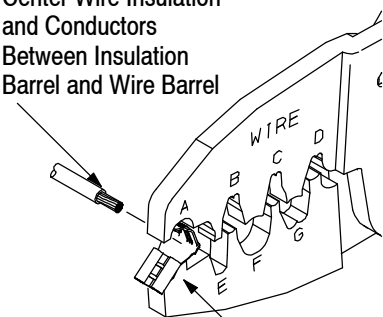


*Properly Crimped
 Closed-Barrel Terminal*



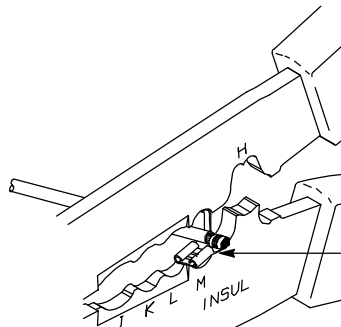
Crimping Flag Terminals

Center Wire Insulation
 and Conductors
 Between Insulation
 Barrel and Wire Barrel



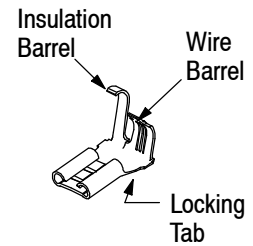
Wire Barrel Crimp:
A

Close Jaws Slightly Until
 Locking Tab Touches
 Bottom of Wire Barrel



Insulation Barrel Crimp:
M

Terminal May Be
 Rotated Slightly



*Properly Crimped
 Flag Terminal*

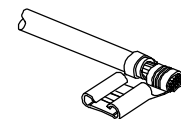


Figure 2

B. Crimping the Insulation Barrel

1. Center the insulation barrel in the appropriate insulation barrel crimper. Refer to Figure 2.

Open-Barrel Product (Crimpers E, F, G, H)

Make sure that the end of the insulation barrel opening faces the letter marking on the tool.

Closed-Barrel Product (Crimper M)

The wire barrel insulation color must match the crimper color code.

Flag Terminal (Crimper M)

Ensure even formation of the insulation barrel—it might be necessary to rotate the terminal slightly.

2. Holding the insulation barrel in place, squeeze tool handles to complete the crimp.

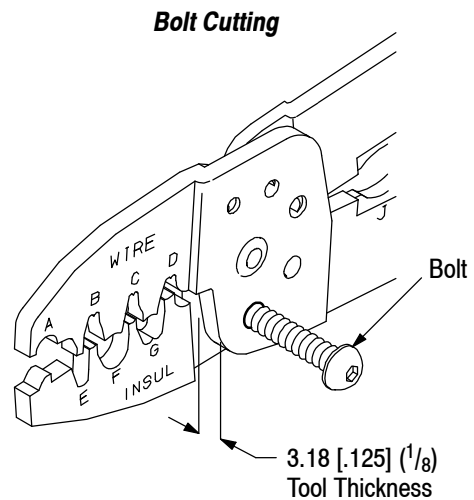


Figure 3



Damaged product must not be used. If a damaged product is evident, it should be cut from the wire and replaced with a new one.

3.2. Bolt Cutting

1. Thread the bolt into the side of the tool marked “INSERT SCREW.” To cut the bolt to the required dimension, allow 3.18 [.125] (1/8) for tool thickness. Refer to Figure 3.

2. Close the tool handles completely.

4. REVISION SUMMARY

Revisions to this instruction sheet include:

- Updated instruction sheet to corporate requirements